

2. The 1st. Second. Last. 1811

$$\begin{array}{r} \text{Feb. 6} = \text{at } 3^{\text{h}} 04^{\text{m}} \text{ P.M.} \\ \text{chr } 8^{\text{h}} 02^{\text{m}} 35^{\text{s}} - \text{alt } 18^{\circ} 53' = \\ \quad - 32 \\ \hline 8^{\text{h}} 02^{\text{m}} 03^{\text{s}} \\ \quad 14^{\text{m}} 12^{\text{s}} \\ \hline 7^{\text{h}} 47^{\text{m}} 51^{\text{s}} \\ \quad 3^{\text{h}} 03^{\text{m}} 04^{\text{s}} \\ \hline 4^{\text{h}} 44^{\text{m}} 47^{\text{s}} \end{array}$$

$$\begin{array}{r} 10 \\ 19.03 \\ 41^{\circ} 13' \times \\ 105^{\circ} 44' \times \\ \hline 156^{\circ} 00' \\ 83^{\circ} 00' \times \\ 63^{\circ} 57' + \\ \hline 19729796 \end{array}$$

$$\begin{array}{r} 9,12366-3= \\ 0,556774 \\ 9,085894 \\ \hline 9,953476 \\ 60^{\circ} 11' \\ 11' \\ \hline 77^{\circ} 11' \end{array}$$

$$\text{Soalt } 41^{\circ} 13' \quad \text{Lb} = 15^{\circ} 44' \quad \text{alt } 19^{\circ} 03' \quad \text{at } 3^{\text{h}} 04^{\text{m}} \text{ P.M.}$$

$$\begin{array}{l} \text{L} - 418 \times 13 = - \quad 62,4 \\ \text{D} - 5,9 \times 44 = - \quad 259,6 \\ \text{A} - 6,9 \times 3 = - \quad 20,7 \end{array}$$

$$\begin{array}{r} 342,7 \\ 042 \overline{) 60} \\ \hline 5- \end{array}$$

$$\begin{array}{r} 3^{\text{h}} 08^{\text{m}} 46^{\text{s}} \\ - 5^{\text{m}} 42^{\text{s}} \\ \hline 3^{\text{h}} 03^{\text{m}} 04^{\text{s}} \end{array}$$

$$\begin{array}{r} 8^{\text{h}} 02^{\text{m}} 03^{\text{s}} \\ - 14^{\text{m}} 12^{\text{s}} \\ \hline 7^{\text{h}} 47^{\text{m}} 51^{\text{s}} \\ \quad 3^{\text{h}} 03^{\text{m}} 04^{\text{s}} \\ \hline 4^{\text{h}} 44^{\text{m}} 47^{\text{s}} \end{array}$$

Ship Long 7^h 5^m
 Chr. 7^h 11^m

leaving 5 miles to
 westward

$$\begin{array}{r} \text{Feb. 6} = \\ 1919 \end{array}$$

$$\begin{array}{r} 71^{\circ} 11' \text{ W} \end{array}$$

Feb. 7 at 20.33 L. m

h m s
 7.41.05 - att 23.55 = 5615.26 = 38.9 89.48
 15- 35-15-5-

7.42.50
 - 33
 7.42.17
 14.16
 L-5,0 x 9 = - 45.0
 L-5,8 x 25 = - 15-018
 5-3.5-3
 15-4 295

7.26.01
 2.45.25
 4.40.36
 70.09
 A-6,8 x 55 = 374.0
 609
 10
 709
 5-69.8
 029160
 9
 Latt 38.24
 h m s
 2.5-4.5-4
 - 9.29
 2.45.25

Strong Wind = Wind cloudy & Pedro Varela in flight
 Lenna

23.5-5-
 38.09+ 9104 35.92
 108.26+ 0015-950
 167.30 9036895
 83.45+ 9936799
 5-9.5-0+ 19,094004
 h m s
 2.45.04
 7.26.01
 4.40.5-9

6014
 10
 70.14

Saturday

h m s Feb. 8

36.40
37.26
00.46 Contrary name

Latitude

7.34.00 alt 24.5-3 Lb 15.07 Lat 37.26 = 89.48
15- 37.10

7.33.45
33 Lb -4.9 x 26 = - 129.4
5-2.38
15-10

7.33.12
14.09 1A -5.7 x 7 = - 39.9
37.28

7.19.03 1A -6.8 x 53 = - 360.4
2.5-2.44
-8.47

Long 68.46 W
4748
376
182.56
68.46
52.77
247.60
8.46
8
Dead all day

7.59.45 alt = 21.13 = Lb = 14.48 = Lat 35.40 =
-20
3.10 P.M.

7.59.25
34 Lb -3.8 x 40 = - 152.0
3.12.32
-7.38

7.58.5-1
-14.21 2A -4.7 x 48 = - 225.6
3.13.54

7.44.30
3.13.54 4A -6.2 x 13 = - 80.6
6.30
7.9

4.30.36
67.39 W
458.52
038.60
7
67.39

1.14.8
32.3
4.41

1.19
1.53
1.43
3.23

1919

Feb. 11 - 2:40 PM

$$7.28.55 - \text{alt } 27.19 \text{ } 26.13.50 \text{ } 34.42 \text{ } 89.48$$

20-

20000

40006

$$7.28.15 - 36$$

$$103.50$$

$$49.42$$

$$7.27.39 \text{ } 14.23 \text{ } 2-4, 2 \times 40 = 176.4$$

$$14.13$$

$$7.13.16 \text{ } 2-4, 9 \times 50 = 245.0$$

$$7. 35.29$$

$$A-6, 20 \times 19 = 177.8$$

$$89.48$$

$$41.08$$

$$66.25$$

$$539.2$$

$$48.40$$

$$13.53$$

$$7.12 \text{ } 34.47$$

$$60.15 - 6.10 =$$

$$2.55.32 - 8.59$$

$$56.25 - 3/4$$

$$2.47.33$$

$$7.13.16$$

$$60.15 - 6.11 =$$

$$4.28.48$$

$$56.26$$

$$1/4$$

7.32.53 $\frac{1}{5}$ 26.40 26.13.50 $\frac{1}{5}$ 34.42

7.31.38
- 36

7.31.02
14.23

7.16.39
5.1.56

2.4.43

103.50
180.00
76.10

68.15
6.12
63.27

26.40

7.31.02
14.23

7.16.39
2.5.1.55

4.24.44

34.42
103.50

165.12

82.34
5.5.5-4

085.06-2
012783

9.11.84
9.9.8062

9.12.7739

2.5.1.55

66.11

66.11

66.11

33.09
32.30
1.39

103.5-0
180.100
76.10

At 24.019 February 12

8.50
1.16
2.90
3.0

34.42 + 085.05-21-2
103.8-0x 012783 2.44.20
155.5-1 9.091008 7.13.16
82.5-6x 9.9165-14
5-5.0 3.6 19.105-35-7 4.25.5-6

66.29
6.5.30
4

Fresh breezes with Squall all day.

Δ 2 P.M. 74.00

Contrary name

February = 13. at 3.00 P.M. 89.48

7.48.25 alt 24.52 Sl 13.30 Seat 33.09

43.06
46.42
13.23
33.09

7.48.20 L-3.6x9=-31.8-
37 D-4.8x30=-129.0

h m s
3.18.32
-7.42

7.47.33 A-5.8x52=-301.6

7.47.22
7.33.11
3.10.50
4.22.21

60.30
5.8
462.1
0.42.160
4

3.10.50

Long 65.35 W

Strong NW Wind rough sea
Fanning

$\Delta 49$ PR

Strong SW Wind
Clear atmosphere

Strong Westerly Wind rough sea on

Δ 56

February 18th at 3.03 P.M.

Ch 7.29.20 at 30.38 St 11.46 St 25.57 89.48

7.29.20
15-
7.29.05-
40

7.28.25-
-14.06

7.14.19

3.08.48

4.05.31

61.23

L-2,7 X 57- 153,9

D-3,2 X 46- 147,2

A-5,1 X 38- 193,8

60.15-
1.8
61.23

494.9
014.60
8

h m s
3.17.02
- 8.14
3.08.48

St 11.48
38.03
11.48-0
26.13

Moderate breeze from SW
Clear atmosphere

7.29.05-
-40

7.28.25-

3.22.46

4.05.37

61.25-

30.38

25.57

101.46

15.8.21

78.10

48.32

046155-2

009223

9277049

9,874680

19204107

60.15-
1.10

61.25-

h m s

3.08.48

14.06

3.22.46

11/11/12

11/11/12

February 19 at 3.11

Ch 7.38-18- at 30.30 55.11.25- at 20.129 89.48
64.39

7.38.00
41

20-2.04X29- 72.5-

3.52.19

7.37.19
14.01

20-2.9X25- 72.6-

11.29

2.8.50

7.33.18
3.17.12

20-4.9X30- 147.0

2.3.29

2.30 2.92.0
0.8.2.0
4

3.22.04
- 4.1.2

4.06.05

0.1.21

13.17.1 =

61.31

Ch

at

20

7.41-18-
18-

at 29.5.3 = 85.11.25 = at 20.129

7.41.00
41

20-2.4X29- 69.6

7.41.19
14.01

20-2.8X25- 70.0

7.36.18
3.20.22

20-4.9X30- 217.7

4.05.5.6

2.30 2.92.0
0.8.2.0
4

3.27.01
- 6.39

61.29

0.1.21

13.20.22

Fine SW breezes and clear weather
Senna

1919

Δ Hours 5-0 X Δ 354 67

February 20 - at 3:15 P.M.

Cir 7.41.43 $\frac{15}{10}$ gtt 30.49 26. 11.04 Lt 21.03-

7.41.28
112 2-2,3x 5-11,5-
7.41.46 2-2,6x 4-10,7
13.55 2-4,8x 49-235,2
7.26.51
3.22.23 60.7 257.1
4.04.28 81.7 4

89.48
57.20
32.28
11.04
21.37
16

61.07 W Intake wind from NE
clear atmosphere
Sunny

3.36.40
-4.17
3.22.23

Δ 88 mm

February 21. at 3:49 P.M.

8.15.30 $\frac{2}{18}$ at 24.51 56/10.44 Lt 18.36

8.15.15-
-18-
8.14.32 2-1,6x 36- 57,6
13.49 2-1,9x 44- 83,6
8.00.43 2-4,5x 51- 256,1-
3.55.37 60.18- 594.4
4.05.06 1.4 0.87(60)
61.16 6

89.48
60.02
29.46
10.46
19.00
2.4
18.36

61.16 4.02.14
-6.37
3.55.37

1919 February 28th
 Portsmouth (Commence March) at 348 P.M.
 elev alt 3348. $\Delta\phi = 8.07$ lat 15-31-
 7 48 05

7 44 50 47	L-1.6X55-	5-65 0	3 30 30
7 44 03 -12.46	D-1.8X7-	12.6	- 4 39
7 31 17	A-4.4X25-	211.2	13. 25 5-1
3 25 51	60 16	277.8	1 2 46
7 05 26	1 6	037.4	3 38 37
61 21	61.21		4 05 5-6
			7 44 33
			7 44 5-0
			0 00 17

Feb. 28th 3-5-37
 alt 3250 $\Delta\phi = 8.07$ lat 15-31-
 7 49 24
 15

7 49 07 47	L-1.5-X75-	5-2, 5-	3 34 5-4
7 48 20 12 46	D-1.8X7-	12.6	- 4 46
7 35 134	A-4.4/600	224.0	3 38 47
3 30 05	37 18	203.5	4 04 26
7 05 25-	1 6	045.6	4 05 5-6
61 21	61.21		
	61 29		
4 04 28			

60.01.5-2
 61.01.6-2

Maple

3:17 PM

Ch 44124 alt 3528 ft 15° 36' 5" 03

4.41.07
3.35.04
4.06.03

L - 43435 - 456
S - 1473 51
A - 4,3428 - 120,4

171.0
057.60
2

3.25.5-3
- 2.5-1

3.24.0 2
11.0 2

3.35.0 4

3:22 PM

Ch alt 7.45.18 alt 3424 ft 15° 35' 5" 03

4.45.00
3.39.42
4.06.7-8

L - 43428 - 456
S - 1473 - 51
A - 4,3424 - 103, 2

153.8
033.60
2

3.31.13
- 2.33

3.28.40
11.0 2

3.39.42

$$\begin{array}{r} 7.44.33 \\ \hline 222 \end{array}$$

Feb. 28

$$\begin{array}{r} 7.44.50 \\ 7.44.33 \\ \hline 0.00.17 \end{array} \text{ fast 17}$$

$$\begin{array}{r} 7.41.07 \\ 7.41.00 \\ \hline 0.00.07 \end{array}$$

$$\begin{array}{r} 3.30.30 \\ \hline 12.46 \end{array}$$

$$\begin{array}{r} 3.43.56 \\ 4.05.66 \\ \hline 7.49.12 \end{array}$$

$$\begin{array}{r} 3.25.51 \\ \hline 12.46 \end{array}$$

$$\begin{array}{r} 3.38.27 \\ 4.05.35 \\ \hline 7.44.33 \end{array}$$

$$\begin{array}{r} 3.35.54 \\ 4.05.56 \\ \hline 7.41.00 \end{array}$$

Feb 6 fast

Feb 28

22

^h
6 11 00 32.5 6

11 00 4 97.0

10 11 00 15.0 6

Chr.
 February 28 East 100^m 14¹³
 March 8 " 00 00 07
00 00 108

1018
 220 2
 24

fast and living

March 8 - Chr. fast 100^m 10³⁰th
 losses per day 10 2th
 00 00 058

February 28. Sat. - $\frac{1}{2}$ 0.000.14 0.000.14
 March 14. Sat. - 0.000.14 0.000.14
 0.000.14 0.000.14
 0.000.14 0.000.14
 0.000.14 0.000.14

10 years = 7 hrs. daily

34.6 (28)
 1.60 15
 0.20 15

Friday ^{W. Eastons} March 14^h at 3.26 = P.M. ^{h m} 62.39

Ch 7.52.03 alt 34.24 26 24.43 lat 17.29
 15-
 7.57.48
 7.57.42 L-1.1X 29- 31.9
 0.00.06 S-1.7X 42- 71.4
 A-4.3X 24- 103.2

206.5-
 026150
 3

^{h m} 3-33.44
 - 3.26
 3.30.18
 + 9.28
 3.39.46
 1.11.50
 7.51.44

✓ March 4 at 3.28 P.M.
 Ch 7.55.10 alt 33.42 26 24.42 lat 17.29
 15-

7.54.55
 7.54.48 L-1.1X 29- 31.9
 0.00.07 S-1.6X 42- 67.2
 17-4.3X 42 781.6

279.7
 039160
 4

^{h m} 3.38.23
 - 4.39
 3.55.24
 9.28

3.42.6
 4.11.50
 7.54.44

7.42.00
4

7.42.04
6.31

7.38.33
5.34.04

4.11.25

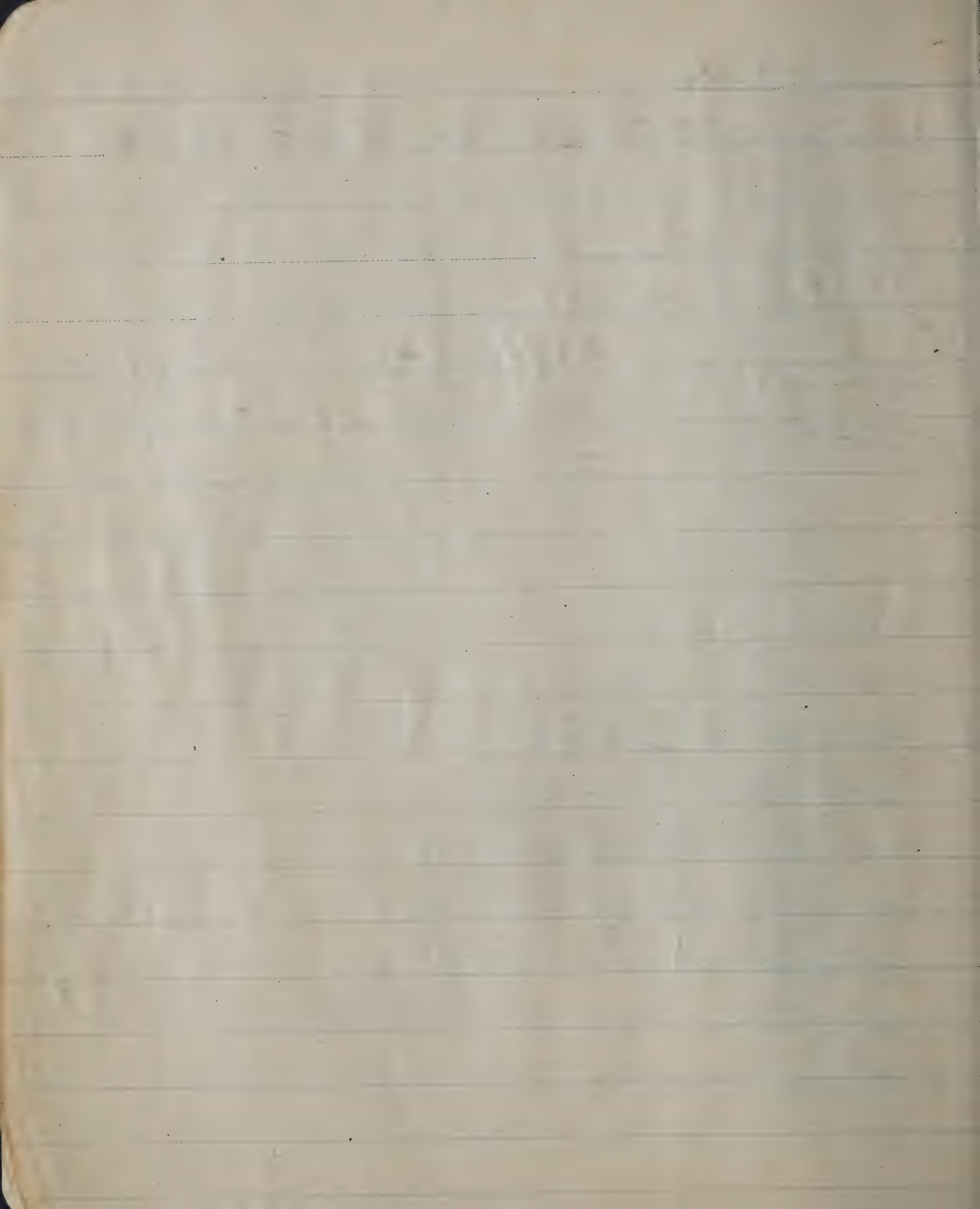
2 46
9

6 5.3.2

$7.42.15 - 37.22 = 46-1.14 = 34.35 - 2.11 = 32.24$
 $7.42.00 - 0.31 = 7.35.29$
 $3.24.04$
 $4.11.25$
 $62.5.15$
 $7.42.00 - 0.31 = 7.35.29$
 $3.24.04$
 $4.11.25$
 $62.5.15$
 $7.42.00 - 0.31 = 7.35.29$
 $3.24.04$
 $4.11.25$
 $62.5.15$

Long of Ship
 of Ketch in Point
 62.5.15
 3.24.04

$7.44.40 - 37.48 = 46-1.14 = 34.34 - 2.11 = 32.23$
 $7.44.25 - 0.31 = 7.37.54$
 $3.26.28$
 $4.11.25$
 $62.5.30$
 $7.44.25 - 0.31 = 7.37.54$
 $3.26.28$
 $4.11.25$
 $62.5.30$
 $7.44.25 - 0.31 = 7.37.54$
 $3.26.28$
 $4.11.25$
 $62.5.30$



678 M Rits Bremstone Bulbrow N

March

at 3.39 PM

7.53.32 at 34.48 2.01 = 17.17

7.53.12

7.53.13
- 5.5.4

7.47.19

3.36.10

4.11.09

So - 0.7 x 17 = 11.9

2 + 1.47 = 1.47

2 - 4.3 x 48 = 209.4

62.45 - 218.3

2 2 218.9

62.45 0.36.3
3

3.49.44
- 3.36

3.36.10

7.53.12
12

7.53.24
- 5.5.4

7.47.30

3.36.10

4.11.20

2.45-
2 2
52.42
62.45
2 2
62.50

$$\begin{array}{r} 1.7 \\ 14 \\ \hline 63 \\ 17 \\ \hline 23 \end{array}$$

1919

Chas. J. March 14 = 25.00 04.00
 " " 28 = 25.00 17.00
 14 24.00
100.00
202.00

Chas. March 28 ^{100.00} 14.00 ^{100.00}
 courses per day 14.00
100.00
114.00
100.00
114.00
100.00
114.00
100.00
114.00

100.00 17.1
 6.9
 100.00 23.8

Thursday - March 29 =

89.48

71.02

18.46 April 5 =

5.50

2.43 62

89.48

71.02

16.03

3.55

17.58

17/7

89.48

74.26

15.12

3.03

18.20

Monday

April 7 at 2:24 PM. 89.48

70.00

19.48

5.35

3.50

Chr

7.41.40

1.50

7.41.25

3.40

7.41.57

2.19

7.39.40

3.32.35

4.07.34

61.5-3.30

at 2:24 PM. 89.48

70.00

19.48

5.35

3.50

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

3.32.00

Thank you very much

Dear Sir,

Durga

April 8 at 2.00 P.M.

At 38.32 At 7.00 At 26.2

20.00
53.22

7.25.23
15-

7.25.18
33-

7.25.53
3.23

7.25.53
3.21.17

4.02.33

60-1.0X21-2.0

60+2.1X=2.1

60-4.6X32-14.72

60.30
8

60.38

149.32
147.1
2.220
2

3.23.44
- 3.27

3.21.17

60.38.97

Light wind from the Trade
Breeze Weather

89.48

89.48

89.48

89.48

70.40

70.18

70.59

19.08

19.302

18.49

8.08

7.43

7.20

27.13

10=27.13

26.09

27.13

28.51

89.48

70.59

19.30

7.49

27.8419

April 9 - at 3:25 - P.M.

at 37.5 = 7.234 = at 3.28.14

7.30.33

13-

7.30.18

37

$2 - 0.9 \times 33 = 2.9, 7$

$A + 3.7 \times 24 = 50.14$

3.28.16

7.30.13.5

1.45-

$A - 4.6 \times 5 = 23.0$

2

7.29.10

5.2.7

3.28.14

3.28.14

14

4.00.56

0.2.3

60.14

60.14

Indicate time from the
trade clear at 10.14

1719
April 10 - at 3:35 - P.M.

at 34.57 = 7.44 = at 37.13

7.41.10

13-

3.41.14

- 3.35.12

7.40.53-

37

$2 - 0.9 \times 13 = 11.7$

$A + 2.1 \times 47 = 98.7$

3.35.12

7.41.34

1.28

$A - 4.6 \times 59 = 271.4$

60.02

7.40.05

0.3.1

37.19

3.35.10

2.18.3.1

4.02.06

1.2.4.4

4.02.31

0.3.4.2

60.31

60.31

April 11

April = 12 = 3.34

Apr 12 - 36° 20 - 86 8° 51 - 28° 03

7. 34. 45 - 2 - 4. 9 x 3 - 2. 7
 15 - 2 + 2. 28 31 + 58. 2
 7. 34. 45 - 42 - 4 - 4. 6 x 20 - 92. 0

7. 35. 07
 0. 56
 7. 34. 11
 3. 33. 48
 4. 01. 23

8. 20. 15
 94. 7
 26. 5
 3. 33. 48
 During Wind from the trade
 Clear atmosphere
 Sunny

Time 60" 210. 43 = W

April 13 - 3. 34
 Apr 13 - 36° 19 - 86 8° 53 - 28° 24 =

7. 35. 20
 7. 36. 19
 - 40
 7. 35. 39
 3. 33. 21
 4. 02. 15

2 - 0. 9 x 2. 5 - 21. 6
 2 + 2. 2 x 53. 4 - 115. 5
 4 - 4. 6 x 17 - 87. 4
 6. 32
 109. 0
 007. 6

3. 33. 14
 + 07
 3. 33. 21

604 34. 30

Very light wind from trade clear
 atmosphere
 Sunny

1919

April 14 - 5-3-42

$7.45-28$
 $7.45-17$
 $7.46-59$
 $7.46-33$
 $3.40.40$
 $4.04.63$
 61.12

$L - 0.7 \times 31 = 21.7$
 $S + 2.1 \times 14 = 29.4$
 $A - 4.6 \times 53 = 243.8$
 60.13
 51.13

19.17
 9.14
 38.31
 $3.44.35$
 $- 5.15$
 $3.40.40$

See Column 11

April 15 - 5-3-42
 $7.37.20$
 $7.40.07$
 $7.37.58$
 $3.34.14$
 $4.05.44$
 61.26

$L - 0.8 \times 4 = 3.2$
 $S + 2.1 \times 25 = 52.6$
 $A - 4.5 \times 114 = 513.0$
 60.10
 61.26

37.48
 71.13
 18.33
 9.32
 28.04
 $3.35.26$
 $- 1.12$
 $3.34.14$

Very light wind from SW
 and clear weather
 Caught 5 Small Whales
 Luma

April 17 at 3:11 P.M.

35-115 = 26-100/19 = 28:37

104.61-
 4.44.35-
 7.48.26
 4.48.48
 3.41.10
 4.01.26
 61.53

6-0.7x37- 26.9
 42.1x19+ 39.9
 4-4.6x16- 73.6
 99.5
 5.8

3.42.13
 - 59
 3.41.10

89.48
 71.44
 18.04
 9.54
 27.58
 89.48
 71.31
 18.17
 10.15
 28.32

Juste Trade Clear Matter
 similar looking

April 18 at 2:31 P.M.

104.41-15
 7.40.48
 7.41.40
 7.42.16
 3.35.10
 4.06.07

36-40 26-16.40 61-28.58
 80-0.7x56- 38.6
 2+2.1x62+ 84.0
 7-4.6x41- 184.0
 2.37 222.5
 1.14 138.5
 161.41 018.2

89.48
 71.27
 18.21
 10.36
 28.67
 3.37.34
 - 2.18
 3.35.16

61.44

Strong breeze from the Trade and
 some light rain on
 Sunday

3000 bar

April 13 - 05:47 P.M.

7.59.15	29.30	11.40	55.24	87.48
15				71.28
7.58.45				17.20
54				12.57
7.59.39	-0.4 x 30 + = -	12.0		39.15
47	+2.1 - 1 + = +	2.1		29.30
5.00.26	-4.6 x 24 + = +	111.4		
3.55.29		12.27		
4.04.07		12.13		
		10.00		
5.14.14		2		

Strong breeze from South
Cloudy rough sea

Sea wind ...

chw	29:32	11:40	57.08	87.08
				71.12
7.30.27				17.56
2				11.28
7.36.13	-0.7 x 32 + = -	22.4		
57	+3.2 x 40 + = +	88.0		
7.37.10	-4.7 x 9 + = -	42.3		
+1.13		54.7		
7.38.23		23.3		
5.34.50				
4.08.33				
6.05.51				

SW gale rough sea - on

April 22 = 22

7.41.29 + 2,915.31 = 26.12.01 + 31.58 = 89.48
 3.33.14

1/2 8.05.81 = 0.17 x 8.05 = 1.38
 2.7 x 2.10 x 1.4 = 3.2
 4.7 x 38.1 = 178.6
 0.08
 1.8
 180.8
 177.3
 3.5
 2

72.02
 17.46
 11.59
 29.45
 3.36.01
 - 2.5-7
 1.33.04

37.28
 29.56-1 062105- = 2
 77.59 009622 3.33.09
 145732 7471679 7.41.39
 72.4.67 9160051 4.08.3.0
 35408 303437

3.09.39 42.50 062105- = 2
 7.12.23 29.55-8 009622
 4.02.49 77.59 9.40.49.01
 150034 9.731602
 75.01 77 19.208230
 12 32.3.74

April = 22 =

Chr 7.12.23 ^{cont} $\frac{29.5-5}{12.01} \frac{42.40}{42.40}$

$$S - 1.0 \times 5 - = + 5, 0$$

$$S + 2.3 \times 1 + = + 2, 3$$

$$\begin{array}{r} \text{Chr } 20.42 \\ \hline A - 4.7 \times 40 + = - 180.0 \\ \hline \begin{array}{r} 7.3 \\ 12 \\ 180.0 \\ \hline 6042 \end{array} \end{array} \quad \begin{array}{r} = 3.12.36 \\ - 3.0 \\ \hline 3.09.36 \\ 7.12.36 \\ \hline 402.47 \end{array}$$

Low tide large pools

One passing don't get away

Chr April 23 = at 3.35 pm $\frac{29.42}{12.22} \frac{37.3-4}{17.29}$

$$7.24 = 0.8$$

$$\begin{array}{r} 7.33 = 5.3 \\ 1.01 \end{array}$$

$$\begin{array}{r} 7.34 = 5.4 \\ 1.34 \end{array}$$

$$7.36 = 3.1$$

$$7.32 = 5.3$$

$$4.03 = 4.1$$

$$S - 0.7 \times 18 - = + 12.6$$

$$S + 2.2 \times 22 + = + 49.4$$

$$A - 4.7 \times 6 - = + 28.2$$

$$\begin{array}{r} 6045 \\ 10 \\ \hline 6055 \end{array} \quad \begin{array}{r} 89.2 \\ 24.12 \\ \hline 113.32 \end{array}$$

$$60.5-5$$

$$61.5-5-11$$

$$29.48$$

$$3.31 = 2.1$$

$$+ 1.29$$

$$3.32 = 1.0$$

Strong NW wind rough sea
Bank Wanderer in light

1815

April 24 at 3:34 P.M.

Feb 27:43 Alt 12:42 Alt 38:19 89:48
42:39

7.22.55-
1.12
7.32.40
1.12
7.33.42
1.49
7.35.31
3.31.36
4.03.55-

$11 - 0.6 \times 17 - = + 10.2$

$5 + 2.2 \times 18 - = - 39.6$

$16 - 4.1 \times 19 + = - 89.3$

$6 = 45.46 - 128.9$
 $18 + 18.7$

$60.58.46 - 0.58.60$

17.09
12.37
29.48

3.33.34
- 4.5.8
3.31.36

$\times 60'' 58'' 46'' W$

Strong NW Wind, Clear - Wander in sight

April 25 at 3:31 P.M.

7.39.55-
1.18
7.38.36
1.04
7.40.37
2.00
7.42.07
3.38.27
4.03.42
7.00.00

Alt 29.47 Alt 13:02 Alt 26:53

89:48
73:53
16:40
12:59
29:44

$60 - 2.5 \times 13 - = + 6.5$

$2 + 2.2 \times 2 + = + 4.4$

$14 - 4.7 \times 4 - = + 32.9$

$60.40.00$
 48.5

3.38.13
+ 44
3.38.57

Very light NW Wind Clear Weather
Wander in sight

April 26 = 3.25 P.M.

Lat 39° 35' = 85 3.22 = 39.54 8.7.45
 43.27

Chy
 4.25.20
 1.06
 4.26.14
 2.10
 4.28.21
 3.25.32
 4.02.49
 60.42

85-0, 6x35-+=- 21, 0
 85+2, 1, 22 +=+ 45, 2
 85-4, 6x3-+=+ 13, 8
 50.3
 12
 39.2
 60.4²

16.21
 13.18
 37.37
 3.24
 + 3.9
 3.25.9.9

View looking from South
 near station "Wander" in water

April 27 at P.M.

May 4 = 89° 48'
 74.11
 14.37
 15.47
 30.24

89.48
 74.04
 14.44
 15.11
 29.55
 89.48
 74.41
 15.07
 15.29
 30.36

April 89.48
 75.05
 14.43
 14.34
 29.17
 89.48
 75.12
 14.30
 14.53
 29.23

89.48
 74.24
 15.11
 13.37
 29.08
 89.48
 74.56
 14.52
 14.15
 29.08

89.48
 74.24
 15.11
 13.37
 29.20
 89.48
 74.24
 15.28
 13.34
 29.06

89.48
 74.24
 15.24
 16.04
 31.28
 12
 31.40

1919

April 28 at 3.44

Obs 7.45.10 - 29.12.26 14.09 Alt 37.09

1.09

95.00

46.00

7.46.24

2.30

L - 0.47.12 + - 4.8

7

7.48.54

S + 2.00 X 10 + + 2.0

3.40.44

3.40.00

- 44

Alt - 4.64.9 + - 4.14

3.40.00

4.08.54

6.2 13

6.3 46.2

44.2

6.2.13

37.09

29.12.05.90.25 = 3.40.00

76.0 01.30.96

76.0 02.56.89.05

142.21.94.4.7.49 errado

71.10.13.32.8.2.6

44.0.13.32.8.2.6

April 29 at 3.45 - 3.45

Obs 7.43.48

1.8

Alt 29.11 - 16.14.19 = Alt 35.5.4

7.43.33

L - 0.3 X 11 + - 3.3

3.45.19

7.44.44

S + 2.00 X 91 = + 38.0

+ 1.02

2.39

Alt - 4.6 X 0 = + 27.6

3.45.21

7.47.23

3.45.24

60.15.20

65.6

82.3

0.2.16

4.01.02

60.15.20 Moderate breeze from NE - clear

Sunny

April 30 = at 3.42 P.M.
 at 29.17-28 14.3 at 36.21

$$\begin{array}{r} 7.40.20 \\ 1.13 \\ \hline \end{array}$$

$$\begin{array}{r} 7.41.33 \\ 2.44 \\ \hline \end{array}$$

$$\begin{array}{r} 7.44.20 \\ 3.44.54 \\ \hline \end{array}$$

$$\begin{array}{r} 3.59.26 \\ \hline \end{array}$$

$$59.14.30$$

$$20 - 0.3 \times 17 + = 5.1$$

$$20 + 2.0 \times 32 + = 76.0$$

$$20 - 4.0 \times 21 + = 46.6$$

$$\begin{array}{r} 4.54.10 \\ 1.13 \\ \hline 26.7 \end{array}$$

$$5.1.30$$

$$\begin{array}{r} 3.5.17 \\ \hline \end{array}$$

$$\begin{array}{r} 3.44.54 \\ \hline \end{array}$$

Calm all day from 11.00 to 11.00

at 29.23 = 14.56 at 36.21 =

$$\begin{array}{r} 7.55.40 \\ 1.18 \\ \hline \end{array}$$

$$\begin{array}{r} 7.55.40 \\ 1.14 \\ \hline \end{array}$$

$$\begin{array}{r} 7.56.54 \\ 2.15 \\ \hline \end{array}$$

$$\begin{array}{r} 7.59.49 \\ 1.00.33 \\ \hline \end{array}$$

$$\begin{array}{r} 3.59.16 \\ \hline \end{array}$$

$$59.14.30$$

$$20 - 0.1 \times 23 + = 2.3$$

$$20 + 1.9 \times 4 = 7.6$$

$$20 - 4.0 \times 4 + = 18.4$$

$$\begin{array}{r} 4.5.10 \\ 1.13 \\ \hline 28.3 \end{array}$$

$$5.1.30$$

$$4.01.01$$

$$- 28$$

$$4.00.33$$

Calm all day from 11.00 to 11.00

1919

60
40
10

May 21 at 3^h 53 P.M.

30:08 - 15:14 = Alt 35:46

7.43.50
150

7.43.36
1.16

7.44.51
3.02

7.47.53
3.48.35

3.59.18

59:49:30

20-0, 3x8+- = 2, 4 =

20+2, 0x14+- = 28, 0 =

20-4, 6x14+- = 64, 4

45	45	92, 4
15	4	90, 0
1-9, 49		307, 6

3^h 47^m 50^s
+ 1.30
3.48.35

Light Wind from East clear =

May 21 at 3.48 P.M.

30:39.26 15:22.16 = 35:44

7.43.50
1.12

7.42.50
3.09

7.42.24
3.39.53

3.59.32

57:53

20-0, 4x39+- = 156

20+2, 1x39+- = 67, 2

20-4, 6x16+- = 73, 6

45	45	140, 8
15	4	125, 2
1-9, 53		100, 5

3^h 37^m 50^s
+ 2.05
3.39.55

Cal. all day

4.47.30 - 3.54.40 - 3.50 Alt. 15.0
 7.10
 4.45.29 3.50
 7.51.44 3.53.17
 3.58.27
 39.36.45 W
 3.50.20 x 15 = + 3.2
 27 + 11 x 10 = - 2.3
 4 - 7 x 1 + = - 4.7
 20
 22
 Light wind from S. S. direction

4.47.30 - 3.54.40 - 3.50 Alt. 15.0
 7.10
 4.45.29 3.50
 7.51.44 3.53.17
 3.58.27
 39.36.45 W
 3.50.20 x 40 = - 4.0
 27 + 21 x 7 = + 14.7
 4 - 42 x 24 = - 112.8
 48.15 116.8
 14.5 102.1
 39.22 142.9
 3.50.20
 4.01.17
 Light E. wind S. S. direction
 Ship head S. E.

~~1911~~
 Mail = 6 = at 7.52 A.M.
 Left 31.46. Alt = 16.24. Alt 33.11

11.50.35-
 15
 11.59.28
 11.51.48
 3.21

$2 - 0, 1 \times 18 = + 1, 5$
 $2 + 2, 2 \times 21 = + 5, 4$
 $2 - 4, 7 \times 11 = - 5, 7$
 $18 - 36$
 14
 58.33

4.02.55-
 + 9
 4.08.04
 12.00.00
 7.56.56

11.55.10
 7.56.56
 3.58.14
 59.13.30

Speke Parkette "City of Columbia"
 N.E. to River, 1/2 mi.
 Song more or less = 60.30.11

12.16.42 alt 38.32

8.17 AM
 26.16.24 = 31.46-

12.16.52.4
 1.23
 12.16.50
 3.21

$2 - 0, 4 \times 16 = + 6, 0$
 $2 + 2, 2 \times 37 = + 5, 4$
 $2 - 4, 7 \times 39 = - 15, 4$
 $41 - 0 =$
 6534
 850
 2516

3.39.18 =
 - 1.26-
 3.37.53
 12.00.00
 8.22.07

12.20.14
 8.22.07
 3.58.10

59.03.30

Ship 59.32- day before
 60.30 = mark at base

1114

May 7 at 3-45 P.M.

9 h m s
7.38.03
1.5-

at 32.20 S 16.4 W alt 36.41

7.37.45
1.25-

7.39.10
3.31

7.42.41
3.46.88

3.55.23

5-8.05 5.45-11

$$L - 0.2 \times 20 = - 4.0$$

$$S + 2.2 \times 19 = - 41.8$$

$$A - 4.7 \times 19 = + 9.3$$

$$\begin{array}{r} 75.3 \\ 43.5 \\ \hline \end{array}$$

$$\begin{array}{r} 3.46.16 \\ + 43 \\ \hline \end{array}$$

$$3.45.51$$

Westerly wind from East

87.43
1.42.22
1.5.28
1.5.21
3.1.47
3.2.48
1.4.13
1.8.23
1.8.30
32.77

May 8 at 3-47 P.M.

7.40.08
1.0-

at 32.47 S 16.57 W alt 35.40

7.39.54
1.25

7.41.17

7.44.54

3.52.19

3.52.35

5-8.08 5.45-11

$$L - 0.2 \times 13 = + 2.6$$

$$S + 2.2 \times 5 = - 6.9$$

$$A - 4.2 \times 40 = - 192.0$$

$$\begin{array}{r} 46.8 \\ 18 \\ \hline 198.9 \\ 196.3 \\ \hline 2.6 \\ 16.50 \\ \hline \end{array}$$

$$3.52.17$$

3
S.W. wind from S.W.

Clear

87.08
1.42.22
1.5.26
1.5.21
32.57

$$\begin{array}{r} 3.55.36 \\ - 13.16 \\ \hline \end{array}$$

1919

May 9 - at 8.00 A.M.

11.57.2m at 3.35 - 26 = 11.57.6 36.49

11.57.15 -
1.58

11.58.53
3.39

12.02.22
8.47.25

3.49.57
5.7.29

3 - 0.2825 + - 7.0

2 + 2.2816 = 435.2

0.571X = 451.7

451.15
12.14
57.29
86.9
79.9
19.60
1

3.46.15 -
+ 1.19.9

3.47.35
12.00.00
8.12.25

May 9 at 3.42 P.M. 89.48
at 3.35 - 56.17.14 74.20

7.28.38 -
1.58

7.28.20
1.58

7.29.45
3.07

7.33.27
3.16.15

3.47.15

5.6.48
5.4.00
5.8

3 - 0.2825 + - 7.0

2 + 2.2816 = 30.8

0.571X = 33.6

33.6
30.5
3.1

18.28
17.11

32.39

3.46.15 -

5.6.48
5.4.00
5.8
Dear Mother
Sincerely
Jenna

May 10 =

$\begin{array}{r} 6.32.25 \\ 15 \\ \hline 6.32.10 \\ 1.30 \\ \hline 6.33.40 \\ 3.42 \\ \hline 6.37.22 \\ 2.58.01 \\ \hline 3.39.21 \\ \hline = 54.5-0 \end{array}$	$\begin{array}{r} 32.18 \\ 18 \\ \hline -0.17 \times 184 = -16.2 \\ +2.17 \times 25 = +54.4 \\ -4.3 \times 20 = -86.0 \\ 4.5-4.5 = 113.2 \\ 9.5-47.8 \\ \hline 54.5-0 \end{array}$	$\begin{array}{r} 47.20 \\ 89.4 \\ 74.8 \\ \hline 14.6 \\ 17.27 \\ \hline 32.19 \\ \hline 2.58.59 \\ -47.8 \\ \hline 2.53.51 \end{array}$
--	--	---

Strong wind on West side
 8:00 to 8:30 rain clear

May 10 = at 3:44 PM

$$= 31.19 = 24.17.44 - 3.07.13 =$$

$\begin{array}{r} 7.17.20 \\ 15 \\ \hline 7.17.35 \\ 1.31 \\ \hline 7.18.36 \\ 3.44 \\ \hline 7.22.20 \\ 3.46.52 \\ \hline 3.55.28 \\ \hline 53.5-2 \end{array}$	$\begin{array}{r} 15 \\ \hline 2-0.10 \times 15 = -1.5 \\ +2.10 \times 16 = -32.0 \\ 0.1-4.7 \times 13 = -61.1 \\ \hline 9.5-0 \\ 9.5-15.2 \\ \hline 5.5-0.2 \end{array}$	$\begin{array}{r} 16.5-1 \\ 13.5-0 \\ 14.43 \\ \hline 31.33 \\ \hline 3.47.21 \\ -1.15 \\ \hline 3.46.52 \end{array}$
--	---	---

Moderate Easterly Wind
 rough sea and thick haze
Lerna

$$\begin{array}{r} 53.5-2 \\ 52.00 \\ \hline 1.5-2 \end{array}$$

11.39
3.22

May 12 at 4.03 = P.M.

Ch. 11.39

At 31.08 = 18.11 At 34.23 = 89.48

7.27.21
16

00 + 0.17 x 14 = + 0.8

13.12

17.58

7.27.16
12.33

31 + 0.04 x 14 = + 2.0

31.10

7.30.43
3.45

06 - 4.7 x 33 = - 108.1

4.02.27

7.34.29
4.00.42

45.18

105.13

- 1.48

7.33.47
8.26.45

8

045.6

4.00.42

Little more from the clear
Sun Shod by small clouds in the
evening

May 13 = at 9.25 = A.M.

Ch 11.39

At 31.08 = 18.11 At 40.53

11.39.30
3.47

80 - 0.3 x 104 = - 0.3

3.29.47

12.01.22
8.29.19

31 + 2.0 x 114 = + 22.0

+ 54

3.32.03

06 - 4.7 x 7 = + 32.7

3.30.41

5.31.00.45

45.00.45

8.29.19

5.31.00.45

8

5.31.00.45

Ch. 11/10 = at 2.25 - 2.25
 31.08 18.18 5-11 11.15 89.48
 6.54.06
 15-
 5.53.50
 7.23.30
 5.55.20
 3.47
 5.69.12
 3.29.04
 5.30.08
 5.31.32
 10-07, 38.08 +- 71.4
 2+2, 0X15 += + 38.0
 04-4, 7X15 +- 70.5
 42.7
 42.7
 3.29.47
 3.29.04
 Fresh SE Wind Breeze
 Caught small fish in water

May 14 at 2.11.76.52
 Ch. 31.10 18.29 35.18
 7.21.12
 1-36
 7.28.35
 3.48
 7.33.24
 4.06.43
 3.25.41
 5.1.25
 3+3, 2X10 += + 2.1
 5+2, 0X21 += + 58.0
 6-4, 7X15 +- 84.5
 45.15
 6.10
 5.1.25
 60.6
 2.47.6
 4.07.07
 -26
 4.05.05
 Fresh Breeze from
 SE W - Clear Weather
 Caught Small Whale - Saw several other
 many more

May 15 at 3.33 P.M.
 $31^{\circ} 14'$ $5^{\circ} 18'$ $44^{\circ} 25'$ 59.26 89.48
 74.11

$G \times H = 8-8 = 16$

6956.40
1.38

$$\begin{array}{r} 5.48 \div 18 \\ 3.48 \end{array}$$

70206
5.28.25

123456

3000

$$I_0 = 0, 0 \times 10^{-4} + 2 = 1, 9999999999999999$$
$$5 + 129 \times 16 = 2064$$
$$-4, 7 \times 26 + = -122, 2$$

1540
034162

5-1-1-1

89.48
77.11

12.37

1843

3/20

$$\begin{array}{r} 346 \\ - 34 \\ \hline \end{array}$$

538.33

Mar 16 at 3:16 P.M.

6. 5. 7. 8. 9. 10.

$\frac{100}{100} = \frac{100}{100}$

$$\begin{array}{r} 7.30 \\ 1.30 \\ \hline 8.60 \end{array}$$

3. 1000000

36

$22 \approx 1.70$ $84/35.68$ $\frac{734}{N} 39.09$ $\frac{12.21}{18.57}$
 $\frac{214.18}{}$

01041042- 1,0

$$4 - 4,9 \times 94 = -42,3$$
$$\frac{45-45}{8-8} = \frac{0}{0}$$

U.S. 12

89.43
77.27

12.21

78.57

21418

3-41-07

$$\begin{array}{r} - 47 \\ \hline 3,400.20 \end{array}$$

May 8 at 8:05 A.M.

11.29.30 ~~to~~ 30.05-10.19.32 At 7.024 = 85.00

11.29.30			11.03
1.43			19.11
11.31.13	$L + 0.5 \times 5 = -10.5$		13.10.4
3.46	$D + 2.0 \times 22 = +44.0$		3.08.27
11.34.59	$S - 4.7 \times 1 = -98.7$		-1.1
8.10.28		99.2	3.49.32
3.24.31		5-5-2	12.00.00
57.00.45			8.10.28

May 19 - at 8:44 P.M.
 7.03.00 Set 31.00 = 20.19.39 = At 39.02

7.04.45			
3.44			
7.03.29	$S - 0.2 \times 10 = -$		3.41.27
3.42.12	$D + 1.9 \times 37 = + 74.1$		+ 1.54.4
3.26.17	$S - 4.7 \times 2 = - 9.4$		3.42.12
= 57.03.4 =		34.7	

rough sea

Seminar
 87.40
 48.28
 11.20
 19.5-1
 22.1.1

$$\begin{array}{r} 70 \\ 18 \\ \hline 88 \end{array}$$

$\alpha = 20^\circ$ $\tau = 3.48$ μ
 $\beta = 31.516^\circ$ $\lambda = 19.52$ $\mu = 38.64$

$$+ 0,2 \times 8 - + = + 3,0$$

3.47.43
- 16.7

$$5 + 1.9 \times 8 = -1.52$$

3.4726

4-7

19, 9
16, 9

Wednesday May 14 1878 P. 78. 12

$$\begin{array}{r} 1136 \\ 2003 \end{array}$$
$$\begin{array}{r} 2003 \\ \hline 3139 \end{array}$$
$$29 - 0.2 \times 16 = 26.7$$

5, 4
8, 0

$$20 + 2.0 \times 4 = 28$$

8, 0

4102.03

$$A - \frac{1}{2} \times 10 = -47,0$$
$$\begin{array}{r} 60, 0 \\ 42, 0 \end{array}$$

01120

4748

782

7725-

2005-

40

3.30
Thursday

1914

May 22 at 3.51 P.M.
 At 3.10.00 20.15 36.18

7.09.25-
 1.5-0

7.09.10
 1.5-0

7.11.00
 3.3-0

7.14.34
 3.56.74

3.18.10
 49.32.20

49.32.20

$$10 + 0.2 \times 10 = 2.0$$

$$2 + 2.0 \times 16 = 32.0$$

$$2 - 4.7 \times 18 = -84.6$$

$$\begin{array}{r} 86.6 \\ 5-4.6 \\ \hline \end{array}$$

$$\begin{array}{r} 3.17.18 \\ - 5.4 \\ \hline \end{array}$$

$$3.17.18 - 5.4 = 3.11.14$$

Light northerly wind clear
 sunset

Friday

May 23 at 3.44 P.M. 89.48
 48.11

6.5-7.40
 20

At 32.13 20.21 At 22.41-

$$\begin{array}{r} 11.37 \\ 20.24 \\ \hline \end{array}$$

$$32.04$$

6.5-7.20
 1.5-2

6.5-9.12
 3.3-0

7.02.42
 3.45.14

3.17.25

49.32.20

$$10 + 0.0 \times 13 = 1.3$$

$$2 + 2.0 \times 28 = 56.0$$

$$2 - 4.7 \times 16 = -70.5$$

$$\begin{array}{r} 127.8 \\ 604.60 \\ \hline \end{array}$$

$$\begin{array}{r} 3.45.19 \\ + 2.04.11 \\ \hline \end{array}$$

$$5.49.30$$

Strong breeze from E
 Sea down to small waves
 Cloudy at night
 Rain

Sunday

May 26 - at 4:00 PM

at 32.05 21.51 35.57.89.48

78.34

11.14

20.50

32.04

$$+ 0.3 \times 64 = + 1.8$$

$$+ 2.0 \times 9 = - 18.0$$

$$- 4.7 \times 1 = + 4.7$$

1.11

3.59.19

- 1.1

3.59.08

Calculated, now light from SW
finished, cutting time adaptation.

May 26 at 3:59 PM

at 32.018 21.02 36.32

89.48

72.27

11.21

21.01

32.22

$$+ 0.3 \times 18 = + 5.4$$

$$+ 2.0 \times 2 = + 4.0$$

$$- 4.7 \times 32 = - 150.4$$

3.57.19

- 2.21

3.56.58

Light from SW

Clear

Sunny

May 27th
 East 32° 22' Long 49° 8' W =
 Fresh breeze from SW - Clear Weather
 Finest fishing

89.48
 78.30
 11.18
 2.11
 32.29

June 30th to 31st P.M.
 At 30° 00' - 32° 15' - 40° 22'

6.52.28
 20
 6.52.08
 2.10
 6.54.18
 2.10
 6.56.28
 3.41.21
 3.15.07

$6 - 0.2 \times 100 = - 0.2$
 $6 + 2.0 \times 15 = + 30.0$
 $6 - 4.8 \times 22 = - 106.6$
 $\frac{45.00}{3} = 105.8$
 $\frac{48.00}{1} = 48.00$

89.48
 78.30
 10.26
 21.21
 32.17
 89.48
 78.29
 11.21
 21.31
 32.52

48° 45' 45" W

With 40 fms. bar
 Saw 5 or 6 seals, struck one
 killing young
 Raised any other
 Chool got 5 of them

89.48
 78.04
 10.44
 22.10
 32.58
 49.36
 89.48
 10.17
 22.27
 33.34

60
42
12

1919
June = # 6 # at 8:06 A.M.
Lat 32° 15' Long 22° 34' Alt 37° 40'

11.17.45
15
11.17.30
24.16
11.19.46
1.42
11.21.28
8.05.22
3.16.00
49.001

$20 + 0.4 \times 157 = + 61.0$
 $8 + 1.9 \times 34 = + 64.6$
 $4 - 4.7 \times 40 = -188.0$
48.01
4
49.01
70.6
117.4
05.760
1

A m a
3.65.34
- 1.57
3.54.37
12.00.00
8.05.22
89.48
80.12
09.36
22.35
32.11

4.20.00
2.11
4.22.25
1.29
4.23.54
4.27.20
3.16.24
59.06

May = 42 4.08 PM
Lat 32° 40' Long 22° 42'
32.32
 $2 + 0.6 \times 40 = + 24.0$
 $8 + 1.9 \times 18 = + 34.2$
 $4 - 4.7 \times 4 = -18.8$
41.05
4
49.00
53.0
29.6

89.48
79.58
09.50
22.41
32.31
4.27.59
- 2.9
4.07.30

Light ... SE Clear
Zoned ...
Lunar

30
41
18

June 9 = 3:52 P.M.

at $32^{\circ} 55'$ Alt $22^{\circ} 53'$ at $36^{\circ} 45'$ 89.4
79.5

7.12.56
1.6

29.54
32.47

7.12.40
2.21

$$S + 2.4 \times 5 = - 12.0$$

32.44

7.15.01
1.05

$$S + 2.0 \times 7 = - 14.0$$

89.48

7.16.07
3.59.54

$$A - 4.8 \times 1 = + 7.8$$

79.48

7.16.13

10.0
5.6.0

10.0
32.57

32.53

49.003

Very late wind at 58 3.58.58
+ 5.5

Calm all day. Saw a 3.59.54

Large white gull in 5.00 wind

June 10 = at 4:02 P.M.

7.14.06
1.6

at $32^{\circ} 42'$ Alt $22^{\circ} 55'$ at $36^{\circ} 22'$ 89.4
80.0

7.13.50
2.20

0.644
32.58

7.15.12
1.56

$$S + 2.6 \times 18 = - 9.0$$

32.52

7.14.08
4.01.48

$$S + 2.0 \times 12 = - 4.0$$

4.03.48

3.15.20

$$A - 4.8 \times 22 = - 105.6$$

- 1.58

48.050

118.6
062.6

4.01.48

Calm all day
Saw a few ^{S.S.} Transport. going West
Sunday

1919

June 12 at 3.65 P.M.
 Lat 32.02' Lg 23.07' Alt 39.26'

6.57.40
 11-
 6.56.25
 2.26
 4.00.51
 31
 4.01.22
 3.46.43
 3.14.37
 48.39.45

$L + 0.1 \times 32 = + 12.8$
 $B + 1.5 \times 17 = + 13.3$
 $A - 4.7 \times 36 = - 164.5$
 45-30 261
 3-9 13814
 48.39 01252
 2

89.48
 50.15
 09.32
 23.02
 32.34
 89.48
 89.11
 09.37
 23.07
 32.34

3.49.01
 - 2.18

on Long's Pine School House
 Cant see them off going to
 Woodward

June 18 at 4.00 P.M.
 Lat 33.42' Lg 23.24' Alt 39.46'

4.08.14
 2.46.47
 3.21.30

$L + 0.2 \times 19 = + 3.6$
 $B + 2.1 \times 24 = + 50.4$
 $A - 4.8 \times 14 = + 67.2$
 117.6
 114.0
 554.60
 4

89.48
 50.28
 09.20
 23.10
 32.32
 3.44.53
 + 1.54
 3.46.47

June 19 at

38°

11.21.70
2.38

33.35 2627.21-44 37.5-

11.23.48

$S + 0.14 \times 37 + 0 + 137.6 = 3.54$

11.22.56

$S + 2.10 \times 25 + 0 + 50.0 = 10.53$

8.03.56

$A - 1.8 \times 10 = 44.0$

3.18.59

49.44 48-50 11.7.6 8.03.56

49.44

48.42 4 12 053.6

49.44.46-1

June 18. at 4.00 P.M.

89.48

1.06-23

38.48 = 2627.21-44 37.05

15

10.23

4.05.08

$S + 0.3 \times 12 = 3.6$

23-28

2.38

$S + 2.1 \times 25 = 453.5$

33.48

4.08.46

$A - 1.8 \times 15 = 34.0$

3.48

-56

48-50 37.5

3.48

4.07.50

4 12 24.9

3.48

3.50.07

49.2

3.50

3.17.43

49.25.15

49.25.15

1919

June 20 at 3:48 P.M.
 Lat 33° 40' = Ht 23° 26' Alt 39° 31' 89.48
 79.23

7.01.39
 18-

7.01.22
 2.39

7.04.01
 1.09

7.02.52
 3.48.00

3.14.5.9

$L + 0.3 \times 40 + 2 + = 12.0$

$S + 2.0 \times 25 + = 52.0$

$A - 4.8 \times 31 + = 148.8$

45-3.9

48.43

64.0

84.8

3.49.24

- 1.24

3.48.00

10.25

23.26

33.51

48° 43' W

Fresh breeze from SW Cloudy

June 21
 Lat 33° 18' Ht 23° 26' Alt 34° 16' 89.48
 79.46

7.26.40
 2.11

7.29.21
 1.29

7.27.57

4.13.13

3.14.46

48° 41' W

$L + 0.6 \times 18 + = 10.8$

$S + 2.0 \times 26 + = 52.0$

$A - 4.8 \times 15 + = 72.0$

45-3.9

48.41

62.8

9.2

10.02

23.26

33.28

4.13.22

- 09

4.13.13

Fresh Breeze from SW (wind)
 Squally, Caught young bulls
 SB got stove

Senna

June 22 = 3 19 1911

Chr
L m 2

4.24.40
20

4.24.20
2.49

4.24.09
1.34

4.25.35
4.10.28

3.15.04

48.45.45

33.028 - 23.25 - 34.50

$$100 + 0.5 \times 28 = + = 14.0$$

$$27 + 2.0 \times 26 = + = 8.0$$

$$04 - 4.8 \times 10 = - = 48.0$$

$$\begin{array}{r} 41-45 \\ 3 \quad 1 \\ \hline 48.46 \end{array}$$

89.27
19.40

100.00
23.26

33.34

4.03.34
+ 1.04.4

4.10.28

L m 2

4.14.32
15

4.14.17
20.50

4.20.04
1.48

4.13.19
4.02.41

3.15.38

48.45.45

June 23 =

33.16 - 23.25

$$100 + 0.5 \times 16 = + = 8.0$$

$$27 + 2.0 \times 26 = + = 8.0$$

$$04 - 4.8 \times 26 = - = 124.8$$

$$\begin{array}{r} 46-45 \\ 3 \quad 1 \\ \hline 48.54 \end{array}$$

14.08

89.27
47.50

100.00
23.26

33.24

4.03.34
- 1.04.4

4.02.41

fresh breeze from NW and squ
finished working
Lemo

4-2-14

June 25 at 3:44 P.M.

Obs. 41.41

St 33.21 - Obs 23.24 Alt 40.29

89.48
79.50

6.57.30
+ 2.59
7.00.29
- 2.13

L + 0.3720 + + G, 0
26 + 1.0521 + + 48.0

09.58
23.24
33.22

5.58.10
3.43.12
3.14.05

A - 38 x 2 + - 139.2
54.0
85.2
25.2

3.44.37
- 1.25
3.43.12

48.41

Very light - S.W. Wind. Clear Weather.
"Comer" in sight to leeward of us

Obs. 41.41
41.03
16

June 26 3:03 PM
St 33.09 - Obs 23.23 Alt 38.10

89.48
79.52
09.56
23.23

7.08.48
3.55
4.11.44
2.54

L + 0.3720 + + G, 0
26 + 1.0521 + + 46.0
A - 38 x 1 + - 48.0

33.19
3.54.11
+ 02
3.56.13

4.09.17
1.52.13
3.15.04
48.46

45.45
3
48.45

Very light - SW Wind. Clear Weather. Sun low in the west.

June 27th at 4th 44th S.W.

$\frac{1}{2}$ 8.10.30
 $\frac{1}{2}$ 32³⁵ 44
 $\frac{1}{2}$ 21 2
 $\frac{1}{2}$ 25.00
 $\frac{1}{2}$ 29.4

8.10.15
 + 2.57
 8.13.12
 - 2.41
 8.10.21
 4.57.27
 3.13.04
 48.16

25.01
 32.47+
 66.39+
 124.26
 62.13
 37.13
 45.11
 3.1
 48.16

75.346
 037110
 966260
 9781634
 9,5625-9

8.0.12
 6.5.38
 3.7.57

June 29th at 4th 44th S.W.

$\frac{1}{2}$ 7.04.35
 $\frac{1}{2}$ 33.06
 $\frac{1}{2}$ 33.16
 $\frac{1}{2}$ 38.32
 $\frac{1}{2}$ 89.4
 $\frac{1}{2}$ 79.58
 $\frac{1}{2}$ 29.50
 $\frac{1}{2}$ 23.16
 $\frac{1}{2}$ 33.05
 $\frac{1}{2}$ 3.5-4.11
 $\frac{1}{2}$ - 1.59
 $\frac{1}{2}$ 3.5-2.12

7.08.24
 7.07.22
 7.04.17
 3.52.12
 3.12.05
 48.001111
 48.01.059

2.4
 32.0
 155.6
 34.4
 119.2
 48.01.059

Dead Calm - 2 days
 Sinner went out of sight

87 3-17 =

June 30 at 3-10

1-03-25 at 33.06 23.12 38-45- 89.48
79.44

4.00-05- + 3.02 50 + 213761 = + 128- 10.01
23-13

4.06-07 70-3-14 27-268121 = + 2470 33.14

4.02-08 3-51.01 27-435X15 = + 720 3.49.24
+ 1.34

3.11-49 46-48 74.8
2 12 32.6

27.067 84.54 in light wind from W. 13.51.01 =
Wharfure 1st day July

July 1 at 4.06 Pm 89.48

4.18.00 Le 32.50 at 23.09 at 36.24 79.52
- 20 89.56
23.09

4.18.10 50 + 0.5-410 = - 50 33.05
+ 2087

4.21.08 2 + 2.1 X 9 + = + 18, 0

4.17.39 A-4.8 X 2/4 = + 122, 6 4.08.34
4.06.38 - 1.56

3.11.01 44.40 134.6
44.40 116.6
55.6

114.43

44.40
1.2

Light wind from W =
Ran in light to windward

30
15

July 4 at 4:03 P.M.

chr 32.5-3-4.23-01-0-36.3-89.4
89.46

7.12.00
+ 3.00
7.15.00
- 3.41
7.11.19
4.01.07
3 10 12

20+0.17x2-=- 1.0
20+2.10x5+=+ 10.0
A-4.87x36+=-161.3
41-00 109.0
2 159.0
47.33 019.65

12.02
33.03
33.07
4.03-
- 2.3
4.01.0

47.33

Strong S.W. Wind Clear
Sea three & four m - Sea, round 6 m
Came in sight 1 m 30

July 5 at 2:32 P.M.

chr 6.45.34
- 15-
6.29.13
+ 3.07
6.52.19
- 4.28-
6.47.54
6.32.23
3.15.31

20+0.2x.19+=+= 7.8
20+2.0x.15-=-=- 30.0
A-4.8x.29+=-=- 139.2
4.0-00 169.2
2 161.4
42.52 041.65

3.30.00
- 3.00
3.32.00

48° 52' 45" W

= Moderate Westerly Wind =
Clear atmosphere

3.56
4.02

July 7 at 3-55 P.M.

Ch 7.08 + 0.03

34.48 = 22.39 = 38.40 = 78.39

7.07 + 0.03
3.00
7.11 + 0.01
4.38
7.06 + 0.02
3.50 + 0.04
3.18 + 0.05
48.58

50 + 0.2 x 12 = - 3.6
5 + 2.1 x 39 = + 82.9
Ch - 4.8 x 40 = 192.0
45.44
3.44
48.39

89.48
78.39
11.09
22.39
33.48
3.5-2.24
- 1.53
3.5-0.31

Light wind from West
at 4.00 P.M.
Caught Small whale

89.48
78.48
11.00
22.33
33.33

July 8 at 4.02 P.M.

Ch 7.12 + 0.03
3.10
7.15 + 0.05
4.44
7.11 + 0.08
3.56 + 0.44
3.14 + 0.24
48.36

34.21 = 22.32 = 37.18

50 + 0.4 x 12 = + 10.0
5 + 2.0 x 32 = + 64.0
Ch - 4.8 x 18 = - 86.4
45.30
3.36
48.36

3.5-6.56
- 12
3.5-6.44

Good weather
SW breeze at 4 P.M.
We start here

July 9 at 3:36 P.M.

33° 0' 33° 21' 40° 25' 89° 4'

6-54-30
3-12

6-54-42
4-54

6-53-48
3-41-25

3-11-23

47-15-4

$$L + 0.5 \times 54.4 = 1.8$$

$$L + 2.0 \times 25 = 53.0$$

$$A - 4.8 \times 26 = -124.8$$

$$\frac{44}{1} = 44$$

10-53

33.19

3-41-25

3-41-25

3-41-25

3-41-25

July 10 at 4:10 P.M.

33° 24' 32° 18' 33° 19' 89° 4'

4-28-53

3-13

7-32-11

5-03

4-27-08

4-15-26

3-11-42

4-15-26

$$L + 0.5 \times 24.4 = 14.4$$

$$L + 2.1 \times 18.4 = 37.8$$

$$A - 4.3 \times 19.4 = -83.2$$

$$\frac{5-2}{37} = \frac{2}{37}$$

33.20

4-16-25

-39

4-15-26

Push in your hand and keep it
to the back of your head

[Signature]

1919

July 11th at 4:05 P.M.

Ch. 7.15.40
20

Lat 33° 31' - 2 Lon 22° 11' Alt 36° 16'

89.48

78.33

11.15

22.12

33.27

7.14.40

7.17.55

7.12.44

4.01.05

5.17.39

47.05.00

$L + 0.1 \times 32 + = + 16.0$

$L + 2.0 \times 1.1 + = + 22.0$

$L - 4.8 \times 1.0 + = - 4.8$

46.45

47.05

38.8

= 4.01.43

(Sight = 2 W - Wind)

4.01.05

Clear Weather. Looking S.E. in sight

same to Margaret 13.0.16

1919

July 12 at 5:07 P.M.

Ch. 5.57.40

Lat 33° 40' - 2 Lon 22° 03'

89.48

78.20

39.59

11.28

22.02

33.32

6.00.25

7.00.42

6.05.23

5.42.66

3.12.28

48.00

$L + 0.2 \times 40 + = + 8.0$

$L + 2.0 \times 0.6 + = + 6.0$

$L - 4.8 \times 1.0 + = + 4.8$

48.00

18.8

3.42.36

+ 18.8

3.42.55

48.00

Very light wind from N.E. clear atmosphere. Margaret in sight. Sernal

1917

L on 2

July 13 at K. to L.

7.09.25-
15-

34.0
33.6-0

L 21.55- Alt 31.38

7.09.10
3.18

7.12.28
5.27

7.07.01
3.53.28

3.13.03

48° 16'

+0.3 x 10 = - 3.0

+2.2 x 5 = - 11.0

-4.8 x 38 = - 182.4

-15- 196.4

0.15 3

48.16

89.1

77.25

11.67

21.65

23.41

3.57.14

-3.16

3.53.68

Light wind from East
Gave to bands of rain at

1917

July 14 at 3.50 P.M.

7.01.36-
12-

34.00

21.55 Alt 39.20

7.01.20
3.20

7.01.50
3.34

5.59.06

3.46.59

3.13.07

48° 01' 45" N

+0.2 x 10 = + 2.0

+2.2 x 11 = - 30.8

-4.8 x 10 = - 48.0

35.6

35.4

89.4

77.15

12.52

21.65

23.10

3.47.38

-3.16

Fresh breeze from East
Clear, Calm, but out sight of
in sight.

2917

July 16 - at 3:55 - P.M.
 Lat $33^{\circ} 14'$ = $26^{\circ} 27'$ at $27^{\circ} 29'$

$7.18.25$
 3.22
 $7.15.47$
 5.40
 $7.06.07$
 $3.53.57$
 $3.12.1$
 $11.39.0$

$10 + 0.7 \times 14 + = + 2.8$
 $8 + 2.1 \times 37 + = + 78.7$
 $11 - 4.5 \times 29 + = - 139.2$
 80.5
 $5.8, 1$

33.42
 77.58
 11.10
 21.32
 33.28
 $3.54.51$
 $1.58, 7$
 $3.53.45.2$

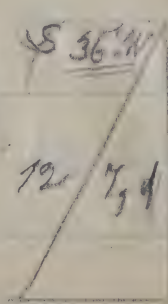
Gutter breeze from East clear
 Margaret in sight

July 16 at 3:57 P.M.
 Lat $34^{\circ} 40'$ = $26^{\circ} 21' 27''$

$7.18.18$
 3.34
 $7.22.09$
 5.47
 $7.16.22$
 $12.01.22$
 $3.15.00$
 $4.8.14.5$

$10 + 0.5 \times 40 + = + 12.0$
 $8 + 2.0 \times 29 + = + 54.0$
 $11 - 4.8 \times 12 + = + 5.6$
 128.6
 00.160
 2

36.4
 33.48
 89.42
 78.26
 11.23
 21.28
 $32.51.4$
 1.58
 33.41



$3.59.19$
 $+ 2.03$
 $4.01.22$

Gutter breeze from East clear
 Margaret in sight
 Senn

July 17 at ~~2~~ 3 P.M.

Alt 32.0 28 x 24.0 18 x alt 43.0 30.

July 17
644413
10-

64358
3.26

64723
5.52

64131
3.24 28

3.17 03

6-0.1 x 28 = - 2.8

6+1.9 x 18 = + 34.2

6-4.7 x 30 = - 141

46-15.46- 143.8
4 139.6
49.1046 649.2

89.48
18.20

11.18
21.19

33.37

3.25.17

3.24.18

49.0 16-45 W

Game to V.S. Woodruff. Margarette in sight

July 18, at 4.05 P.M.

Alt 32.5 28 x 24.0 18 x alt 34.0

7.25.00
15-

7.25.45
5.27

7.23.12
1.57

7.22.15

7.05.18

8.16.57
49.0 14 W

6+0.4 x 4 = - 1.6

6+2.0 x 8 = + 16.0

6-4.7 x 13 = + 61.1

77.1
7.5-
7.53.60
13-1

89.41

17.44

11.06

21.02

32.12

= 4.00 40.3

+ 1.0 10

4.0 5.18

Fresh breeze from East and Clear atmosphere, both Vessels "Woodruff" and "Margarette" west and of sight

July 19 at 3.15-PM

7.10.40
- 15-

7.10.25
- 3.29

7.10.4.54
- 5.02

6.58.52
- 3.42.27

3.16.25
- 47.806.41

Lat 31.02 = Lon 20.54. Alt 39.31

89.48

79.28

10.20

20.58

31.18

10 + 6.2 x 0 + = + 0.2

2 + 1.8 x - = - 5.4

A - 4.7 x 11 + = - 14.7

15.1

18.1

03.16

= 3.44.5-7

- 2.30.9

3.42.27

Slight wind from East and clear.

July 20 at 3.55-PM

89.48

79.48

10.09

20.44

30.47

Lat 30.42 = Lon 21.46 = Alt 34.39

7.10.40
- 15-

7.10.25
- 3.31

7.13.54
- 6.06

7.04.17
- 3.54.43

3.17.08
- 1.9.14

5 + 0.3 x 19 = - 5.4

2 + 1.9 x 14 = - 26.6

A - 4.7 x 39 = - 123.3

21.5

0.3

3.54.18

- 3.35-

3.18.0-43

Very light wind from E. clear
"Wobbling" in light breeze

July 21 at 10-11

$4.25.10$
 16
 $4.24.55$
 3.32
 $4.28.27$
 6.10
 $4.23.17$
 $4.04.22$
 $3.17.49$
 $49.24.17$

$30:42 + 33.2.10 = 34.2.3$
 79.48
 79.4
 10.2
 20.31
 20.4
 $4.05.22$
 $1.5.1$
 $4.04.22$
 184.0
 117.6
 $2.5.15$
 Very light rain from SW
 No rough conditions

July 22 at 4.08

$4.27.03$
 16
 $4.25.48$
 3.34
 $4.20.22$
 6.13
 $4.24.09$
 $4.07.20$
 $3.16.49$
 $49.012.11$

$30.5.2$ $33.5.7$
 $20.2.23 = 33.5.7$
 $4.05.2$
 $4.07.20$
 $5.7.8$
 $5.5.7$
 Light Wind from SW
 Near Caught 2 Small Whales, 2

1419

July 23

$$\begin{array}{r}
 7.05.00 \\
 15 \\
 \hline
 7.04.51 \\
 3.25 \\
 \hline
 7.08.26 \\
 6.11 \\
 \hline
 7.02.11 \\
 3.43.38 \\
 \hline
 3.18.50
 \end{array}
 \quad
 \begin{array}{r}
 20 + 0.1 \times 0.1 + = + .011 \\
 28 + 1.7 \times 11 + ^2 + 20.39 \\
 27 - 4.7 \times 3 - = + 14.1 \\
 \hline
 48.31 \\
 48.8 \\
 \hline
 49.28
 \end{array}
 \quad
 \begin{array}{r}
 35 \\
 89.48 \\
 78.58 \\
 \hline
 10.50 \\
 20.12 \\
 \hline
 31.02 \\
 3.43.03 \\
 + 35- \\
 \hline
 3.43.38
 \end{array}$$

July 23 at 4:09 PM
 $7.19.18 = \text{tel } 3.10.6 = 20.11 = \text{alt } 35.21 =$
 18.

$$\begin{array}{r}
 7.19.18 \\
 3.8 \\
 \hline
 7.23.07 \\
 6.15 \\
 \hline
 7.16.88 \\
 4.00.28 \\
 \hline
 3.16.30 \\
 49.04
 \end{array}
 \quad
 \begin{array}{r}
 20 + 0.3 \times 10 + + 0.13 \\
 28 + 1.9 \times 11 + + 20.9 \\
 27 - 4.57 \times 21 + 98.4 \\
 \hline
 41.24.70 \\
 21.2 \\
 4 \\
 \hline
 41.24.70 \\
 74.5 \\
 \hline
 17.60
 \end{array}
 \quad
 \begin{array}{r}
 4.00.40 \\
 - 1.17 \\
 \hline
 4.00.28
 \end{array}$$

Calm and light air
 4000 ft up to 11000 ft of air
 2000

$\frac{20}{10}$ July = 24. at 4.10 P.M.
 $\frac{1}{2} 29.40$ $\frac{1}{2} 19.19$ $\frac{1}{2} 33.15$ $\frac{1}{2} 35.4$
 $\frac{1}{2} 15$ $\frac{1}{2} 18.56$

 $\frac{1}{2} 29.25$ $\frac{1}{2} 3.37$ $\frac{1}{2} 10.52$
 $\frac{1}{2} 33.02$ $\frac{1}{2} 6.14$ $\frac{1}{2} 30.00$

 $\frac{1}{2} 25.45$ $\frac{1}{2} 4.09.51$ $\frac{1}{2} 10.52$
 $\frac{1}{2} 4.09.51$ $\frac{1}{2} 4.11.25$

 $\frac{1}{2} 16.54$ $\frac{1}{2} 4.09.51$
 $\frac{1}{2} 49.13$ $\frac{1}{2} 30$

Good Calm all Day. We finish
 sailing tomorrow night

July 25 at 3.03 P.M.
 $\frac{1}{2} 19.19$ $\frac{1}{2} 30.31$ $\frac{1}{2} 54.47$ $\frac{1}{2} 38.29$ $\frac{1}{2} 78.5$
 $\frac{1}{2} 7.05.00$ $\frac{1}{2} 15$ $\frac{1}{2} 10.52$

 $\frac{1}{2} 04.45$ $\frac{1}{2} 3.39$ $\frac{1}{2} 15.43$
 $\frac{1}{2} 03.22$ $\frac{1}{2} 6.19$ $\frac{1}{2} 30.41$

 $\frac{1}{2} 02.05$ $\frac{1}{2} 3.45.01$ $\frac{1}{2} 3.47.01$
 $\frac{1}{2} 3.45.01$ $\frac{1}{2} 2.20$

 $\frac{1}{2} 14.04$ $\frac{1}{2} 03.45.01$
 $\frac{1}{2} 14.04$ $\frac{1}{2} 03.45.01$

Light Wind from SE clear
 tomorrow night

89.48
78.38

$$12 = 0.1 \times 377 = 37.7$$
$$125 + 128 \times 34 + 34 \times 612$$
$$194-4; 6 \times 3-2+59, 8$$

On 3/4 5-0
+ 1/4 5-4

126

117.3
95-876

0576

3. 33 44 55

8978

78/7

1124

19.22

$$+ 0,1 \times 33 + \dots + 3,3$$

3052

2 + 1588 207-24 1560

3-5-19

$$f = 4,5 \times 17 = +78,2$$

7-1-19

45 11

1175-

1

115-1760

49. 112

1890

Boiled atmosphere
"Woodruff" in light boiling
Lime

July 28 - at 3.49 P.M.

$\begin{array}{r} 7018.49 \\ 15 \\ \hline 7018.32 \\ 3.44 \\ \hline 7.22.16 \\ 6.19 \\ \hline 7.15.57 \\ 3.58.43 \\ \hline 3.17.14 \end{array}$	$\begin{array}{r} 3012.43 \\ 15 \\ \hline 3012.28 \\ 13.04 \\ \hline 3012.15 \\ 14.0 \\ \hline 3011.51 \\ 15.2 \\ \hline 3011.36 \\ 15.6 \\ \hline 3011.21 \\ 15.6 \\ \hline 3011.06 \end{array}$	$\begin{array}{r} 89.48 \\ 8.11 \\ \hline 11.37 \\ 19.08 \\ \hline 30.45 \\ 3.58.43 \\ \hline 3.58.43 \end{array}$
---	---	--

July 28 1/2 mile on highway from ...

July 29 at 3.49 P.M.

$\begin{array}{r} 11.19.30 \\ 15 \\ \hline 11.19.15 \\ 3.45 \\ \hline 11.23.01 \\ 6.19 \\ \hline 11.16.42 \\ 1.57.52 \\ \hline 11.18.50 \\ 49.042 \end{array}$	$\begin{array}{r} 3012.43 \\ 15 \\ \hline 3012.28 \\ 13.04 \\ \hline 3012.15 \\ 14.0 \\ \hline 3011.51 \\ 15.2 \\ \hline 3011.36 \\ 15.6 \\ \hline 3011.21 \\ 15.6 \\ \hline 3011.06 \end{array}$	$\begin{array}{r} 89.48 \\ 8.11 \\ \hline 11.37 \\ 19.08 \\ \hline 30.45 \\ 3.58.43 \\ \hline 3.58.43 \end{array}$
--	---	--

West

July 29 = 4:00 PM

7.25-11.0
1.5

Alt 17 D 18-83 At 34.20 89.48
78.09

7.24-5.58
5.46

$$D + 0.2 \times 17 = + 5.1$$

11.39
18.54

7.28-0.1
6.18

$$D + 1.9 \times 7 = - 1.3$$

30.23
16

7.21-4.3
4.02.31

$$D - 4.6 \times 2 = - 9.2, 0$$

39.14

3.19.1

46 46
3

106.3

4.04.11
- 1.40

49.048

49.48

100.2
0.20.100

4.02.31

Light Breeze from East

July 31 = at 4:00 PM

89.48
77.10

7.25-10
- 1.5

Alt 30 59 = D 18.24 = At 33.60 =

12.38
18.25

7.25-5.58
+ 3.47

$$D + 0.1 \times 3 = - 0.1$$

4.02.24
+ 1.34

7.37-4.4
- 6.16

$$D + 2.0 \times 24 = + 48.0$$

4.04.01

7.23-2.9
4.14.01

$$D - 4.7 \times 10 = + 47.0$$

95.0
94.1
34.00

3.19.28
49.34.21 V

Light Breeze from South
Clear 4th drifts in light looking
Sunny

August 1 at 4th St.

7. 21. 40
3. 5. 1

31. 06 - 18. 10 = 13. 24

89. 41
76. 57

7. 21. 40
3. 5. 1

10 + 0. 7 x 5 + = +

0. 6

12. 53

7. 25. 31
6. 1. 2

2 + 2. 1 x 10 + = +

22. 0

31. 06

7. 19. 99
4. 00. 18

4 - 4. 7 x 24 + = -

11. 08

4. 12. 27

3. 75. 20

20. 52

- 1. 32

3. 18. 44

9. 23

4. 00. 55

49. 36

For 1 breeze from South
Down through Word off the
Ship moved Backing
Sung

August 2 at 35th St.

7. 00. 06
3. 5. 2

31. 20 - 17. 08 = 14. 12

89. 2
76. 57
13. 0
17. 5

7. 03. 57
06. 08

10 - 0. 3 x 0 + = - 0. 2

1. 57. 0
3. 39. 04

6. 57. 49
3. 39. 42

10 + 2. 0 x 6 = - 12. 0

+ 34. 8

3. 18. 07

104 - 4. 1 x 10 = - 4. 10

3. 39. 42

49. 30. 45

45. 30 12. 2
4 1 34. 8

49. 31

August 3 = at 5.58 PM

Sub 32.01 at 14.39 Alt 34.44

89.48
78.50

13.58
74.46

31.38

So - 0.17.04 - 0.1

S + 2.24.79 + + 28.8

A - 4.27 X 6 - + 78.2

161.0
041.0
2

3.55.41
+ 2.41

6.58.22

Bright Sand from South
Bent here

August 4 = at 2.05 PM

Sub 32.33 at 14.27 Alt 34.53

89.48
74.44

15.04
17.25

32.29

So - 0.17.33 + = - 2.3 = 3.55.41

S + 2.27.27 + = + 50.6

A - 4.27 X 1 - = + 43.7

45.15
44.1
5-6.3
5-2.0

3.56.33

49.16

Bright Sand from South

August 5 at 4:04 P.M.

Lat 33° 15' 00" N - alt 33° 25'

7. 14.06-
3. 5-8

7. 18.03
8. 5-4

7. 12.09
3. 5-3.41

3. 18-28

49. 37-11

20-0.2 x 64 = - 1, 2

2+2.0 x 7+ = + 15, 1

20-4.3 x 27+ = - 1, 7, 6

130, 8
114, 4
16, 4

3. 18-28
- 1. 5-4

3. 5-3.41

Sought mine from SW - clear matter
Lunar

August 5 at 3:44 P.M.

6. 5-7.40
1. 8-

6. 5-7.20
+ 3. 5-9

7. 0 1.24
- 5-48

6. 5-8.15
3. 33-28

3. 32-08

5-0. 32

Lat 33° 15' 00" N - alt 33° 32'

20-0.4 x 15+ = -

2+2.0 x 9 = - 20, 7

20-4.8 x 32+ = - 15, 3, 6

180, 3
200, 6
3

3. 3-3.20
- 3. 2.0

3. 33-28

Good mine from SW
Clear matter

Lunar

Aug 4 at 10:48 AM

August 4 at 10:27 A.M.

Lat 33° 26' Long 16° 39' Alt 25° 58'

10.48.21

4.01

70.52.21

5.13

70.46.38

7.22.04

31.24.24

5.11.08

L + 0.2 x 26 + = + 5.2

L + 2.3 x 35 + = + 89.7

A - 4.8 x 2.2 + = 9.6

4.01

6

5.11.08

10.4.6

24.4.60

1

h m s

4.35.12

+ 1.44

4.37.56

12.00.00

7.22.04

August 4 at 4:02 PM

Lat 32° 48'

Long 15° 36'

Alt 33° 13'

7.25.25

1.6

7.26.13

4.01

7.32.14

5.42

7.26.22

4.03.6

3.23.26

60.57.30 W

L - 4.2 x 2.2 + = 0.4

L + 2.3 x 35 + = + 80.5

A - 4.8 x 13 + = - 61.7

4.01

6

5.11.08

8.9.7

18.1

h m s

4.02.48

+ 18

4.03.06

fresh breeze from SW
Clear Weather

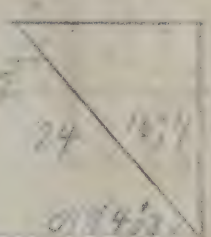
1111
 $\begin{array}{r} 7.11.56 \\ - 1.5 \\ \hline 7.10.41 \\ + 2.13 \\ \hline 7.12.54 \\ - 5.36 \\ \hline 7.12.08 \\ 3.47.34 \\ \hline 3.34.44 \\ 51.11W \end{array}$

August 8 at 3.48 PM
 St 33.46 Alt 35.24

32.56
 1.14
 33.14
 $\begin{array}{r} 3.48.29 \\ - 1.14.36 \\ \hline 3.47.24 \end{array}$

$2 - 0.4 \times 14 + = = 5.6$
 $3 + 2.3 \times 18 + = = 4.4$
 $A - 4.8 \times 31 + = = 1.00.8$
 $\begin{array}{r} 1.00.8 \\ - 1.26.4 \\ \hline 1.26.4 \end{array}$

Just breeze from NW and
 Cloudy Weather



August 9 at 3 to 5 PM
 St 33.32 = 16.0 Alt 30.26

$\begin{array}{r} 18.0 \\ 4.04 \\ \hline 22.04 \\ 57.27 \\ \hline 14.07 \\ 51.28 \\ \hline 35.39 \end{array}$

$2 - 0.3 \times 32 + = 7.5$
 $3 + 2.3 \times 1 + = 2.7$
 $A - 4.8 \times 214 = 120.0$
 $\begin{array}{r} 129.6 \\ 107.3 \\ \hline 647.30 \end{array}$

$\begin{array}{r} 3.47.16 \\ - 1.14.36 \\ \hline 3.61.2 \end{array}$

51.24.5W

Just Breeze from NW and Cloudy
 Weather. Some birds just got away
 Whaling birds, in sight to Westward.

$\frac{16}{16}$ Request = 10 at 3:53 P.M.
 12.00 at 3:30 12.00 at 15:44 36.00

7. 11.45
 4.00 3.48.42

7. 15.51
 5.18 3.48.90

7. 1.23
 3.43.40 3.48.90

3.20.00
 3.48.90

57.48
 57.48
 57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

57.48
 57.48

Y

1919

August 14 pt 3.14 B.W.
 At 3.15 - 10.10.22 - at 3.15.5

$$1.25 - 1.8 - 1.8$$

$$1.25 - 1.8 - 1.8$$

$$1.30 - 5 - 4.39$$

$$1.26 - 1.4 - 56.21$$

$$39.53$$

$$5-2:28.11$$

$$10 - 0.14 \times 17 = 2.4$$

$$30 + 2.14 \times 24 = 51.36$$

$$1 - 4.8 \times 24 = -115.2$$

$$\frac{17}{10} = 1.7$$

$$\begin{array}{r} 2.14 \times 2 \\ 4.28 \\ 1.8 \\ \hline 3.5-6.21 \end{array}$$

Small H. Wind on shore
 from 10.10.22

$$1.25 - 1.8 - 1.8$$

$$1.25 - 1.8 - 1.8$$

$$1.25 - 1.8 - 1.8$$

$$1.25 - 1.8 - 1.8$$

$$1.25 - 1.8 - 1.8$$

$$5-3.07 \times 4.57$$

August 15 pt 4.02 B.W.
 At 3.14.56 14.14 = 31.48

$$10 - 0.14 \times 13 = 2.18$$

$$20 + 2.14 \times 14 = 50.96$$

$$1 - 4.8 \times 12 = -57.6$$

$$\frac{45.07}{8} = 5.63375$$

$$\begin{array}{r} 4.02 \times 2 \\ 8.04 \\ 1.8 \\ \hline 4.04.25 \end{array}$$

fresh breeze from SW
 clear atmosphere

Some school Small Whales

Y

18-4-17.
 August 16 at 4.05 P.M.
 Lat 34° 06' 72" 13.55 - Alt 31.03

$$\begin{array}{r} 7.40.20 \\ 4.16 \\ \hline 7.44.36 \\ 4.17 \\ \hline 7.40.19 \\ 4.05.07 \\ \hline 15.33.28 \\ 53.22 \end{array}$$

$$\begin{array}{r} 30-0.3 \times 5+ = - 1.8 \\ 5-1.20 \times 5- = - 12.5 \\ 4-4.8 \times 3+ = - 14.4 \\ \hline 28.7 \end{array}$$

$$\begin{array}{r} 4.07.18 \\ - 22 \\ \hline 4.06.56 \end{array}$$

Strong Westerly Wind Clear
 Attraction here =

August 18 at 4.08 P.M.
 Lat 36° 12' 12" 14 Alt 30.04

$$\begin{array}{r} 7.40.10 \\ 4.20 \\ \hline 7.44.35 \\ 3.52 \\ \hline 7.40.43 \\ 4.07.07 \\ \hline 3.33.36 \\ 53.24 \end{array}$$

$$\begin{array}{r} 30-0.5 \times 2+ = - 1.0 \\ 5+2.57.17+ = + 46.9 \\ 4-4.9 \times 14+ = - 66.6 \\ \hline 45.15 \\ 172.6 \\ 126.14 \\ 006.6 \\ \hline 53.24 \end{array}$$

$$\begin{array}{r} 4.09.13 \\ - 2.06 \\ \hline 4.07.07 \end{array}$$

Strong NW Wind Clear
 Motion rough sea

2.37

August 10 at 5-6 P.M.
 35.20 - 12.24 - 11.30 - 4

7.24.05 - 15 -
 4.23.50
 4.21
 7.29.11
 3.37
 7.24.32
 3.49.41
 3.34.51
 53.42.11

3 - 317 x 20 + -- 14.0
 2 + 3.713 - -- 8.1
 1A - 370 x 5 - -- + 30.0
 22.1
 7.7

3.49.33
 + 1.1
 3.49.41

Ship in light to West
 Low Water

August 31, at 5-6 P.M.
 34.47 - 12.13 - 11.30 - 4

7.19.10
 + 4.25 -
 7.23.35
 - 3.11
 7.20.24
 3.46.39
 3.34.46 -
 53.41.11

2 - 219 x 15 - -- + 1.37
 2 + 3.8 x 18 + -- + 5.34
 1A - 350 x 25 + -- 120.0
 46.30
 8.11
 53.41
 52.1
 57.9
 0.75
 1

3.46.44
 - 1.1
 3.46.39

Calm all day
 Ship in light to West of us

August 22nd = 28th = 4.01 PM
 Lat 35.16. N 11.05 E Alt 31° 01'

7.36.40
 18

7.36.25
 1.26

7.40.57
 - 2.55

7.37.56
 4.01.10

3.35.46

4.11.30

Lo - 0.4716 + = + 10.8

St + 2.474 - = - 10.8

St - 1.297 1 + = - 4.9

26.2

4.01.36
 - 26

4.01.10

Wind Watering. Wind Squally

7.26.70
 + 4.28

7.30.38
 - 2.40

7.27.58
 3.50.10

3.31.48

54.24

Lat 36-40 S 11.36 E at 3.50 PM

Alt 32.58

Lo - 0.9740 + = - 36.0

St + 5.8736 + = + 100.8 = 3.48.56

St - 5.0722 + = + 10.0 + 1.14

110.8
 1.16

Moderate Wind NW
 Atmosphere Smoky
 Sunny

Δ 90

Sept 24 at pm

$$\begin{array}{r} 4.34.05 \\ - 20 \\ \hline \end{array}$$

$$\text{St } 35^{\circ} 53' - \text{Ab } 1^{\circ} 15' = \text{Alt } 31^{\circ} 18'$$

$$\begin{array}{r} 4.36.45 \\ + 4.30 \\ \hline \end{array}$$

$$\begin{array}{r} 3.58.04 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 4.41.5- \\ - 2.25- \\ \hline \end{array}$$

$$\text{St} - 0.9 \times 7 = + 6.3$$

$$\begin{array}{r} 4.38.50 \\ 3.57.42 \\ \hline \end{array}$$

$$\text{St} + 2.5 \times 15 = + 37.5$$

$$\begin{array}{r} 3.57.42 \\ \hline \end{array}$$

$$\begin{array}{r} 3.41.00 \\ \hline \end{array}$$

$$\text{St} - 5.0 \times 15 = - 75.0$$

$$\begin{array}{r} 5-27 \\ 2-23 \\ \hline \end{array}$$

$$5-5-17$$

Strong SW Wind squally

Sept 25 at 4.03 PM

$$\begin{array}{r} 4.41.00 \\ + 4.32 \\ \hline \end{array}$$

$$\text{St } 36^{\circ} 15' - \text{Ab } 70^{\circ} 15' - \text{Alt } 31^{\circ} 01'$$

$$\begin{array}{r} 4.45.32 \\ - 2.07 \\ \hline \end{array}$$

$$\text{St} - 0.8 \times 15 = - 12.5$$

$$\begin{array}{r} 3.58.04 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 4.43.23 \\ 3.57.31 \\ \hline \end{array}$$

$$\text{St} + 3.9 \times 15 = + 58.5$$

$$\begin{array}{r} 3.57.31 \\ \hline \end{array}$$

$$\begin{array}{r} 4.45.52 \\ \hline \end{array}$$

$$\text{St} - 6.0 \times 15 = - 90.0$$

$$\begin{array}{r} 45-11-123,0 \\ 11-13 \\ \hline \end{array}$$

$$56^{\circ} 28' W$$

$$56-28$$

Light Variable Wind
with Squall and rain
Caught Large Whale

Page 262 $\Delta 90$ L m

$4.47.34$
 $1.47.22$
 4.33
 $1.51.08$
 1.53
 $1.50.02$
 $1.44.06$
 45.65
 56.30

$36.21 = 26$
 10.34
 29.29

$4.03.09$
 -1.03
 $4.04.06$

$20 = 18 \times 21 + \dots 15.8$
 $2 + 399.64 + \dots + 98.6$
 $24 - 3.0 \times 21 + \dots - 145.0$
 161.8
 63.2
 46.27

ought 24/1/1914
 from ...

$\Delta 47$ August 24 at 4.00 - L.W.

$4.49.38$
 $1.49.23$
 4.31
 $1.53.5$
 1.35
 $1.52.22$
 $1.42.08$
 $3.50.17$
 $1.41.46$

$21.10.14$
 29.34

$4.04.20$
 -2.17
 $4.02.03$

$21 - 19 \times 10 - 0 + 9.0$
 $2 + 3.0 \times 14 + \dots + 42.0$
 $2 - 5.13.3 + \dots - 148.4$
 $5.1.4$
 $13.4.4$
 $61.4.6$
 2

Strong SW wind with Squall
 and rain for some

8.9025

$$\begin{aligned}
 & \text{L m} \\
 & \text{Aug 11} = 31 = \text{at } 3.54 \\
 & \text{at } 3.54 = 48.48 \text{ at } 32.01
 \end{aligned}$$

$$\begin{aligned}
 & 4.50 = 5.8 \\
 & + 4.42
 \end{aligned}$$

$$\begin{aligned}
 & 4.58 = 9.4 \\
 & - 0.95
 \end{aligned}$$

$$\begin{aligned}
 & 4.58 = 1.2 \\
 & 3.45 = 2.0
 \end{aligned}$$

$$\begin{aligned}
 & 4.04 = 5.2
 \end{aligned}$$

$$\begin{aligned}
 & 5.2 = 2.8
 \end{aligned}$$

$$\begin{aligned}
 & -1.3 \times 9 = +11.4
 \end{aligned}$$

$$\begin{aligned}
 & +3.2 \times 12 = -38.4
 \end{aligned}$$

$$\begin{aligned}
 & 01 - 5.2 \times 1 + = -5.2
 \end{aligned}$$

$$\begin{aligned}
 & 50.18 \\
 & 2.13
 \end{aligned}$$

$$\begin{aligned}
 & 43.6 \\
 & 1.7
 \end{aligned}$$

$$\begin{aligned}
 & 3.45 = 2.0 \\
 & \Delta 8812
 \end{aligned}$$

Section for 7.34 4.4

$$\begin{aligned}
 & \text{Aug 11.33.30} = 3.04 \text{ at } 3.34 \text{ at } 21.41
 \end{aligned}$$

$$\begin{aligned}
 & 11.33 = 1.5 \\
 & 11.33 = 4.3
 \end{aligned}$$

$$\begin{aligned}
 & 11.81 = 6.8 \\
 & - 0.13
 \end{aligned}$$

$$\begin{aligned}
 & 11.37 = 4.5
 \end{aligned}$$

$$\begin{aligned}
 & 1.23 = 0.3
 \end{aligned}$$

$$\begin{aligned}
 & 4.14 = 4
 \end{aligned}$$

$$\begin{aligned}
 & 6.50 = 0.21
 \end{aligned}$$

$$\begin{aligned}
 & \Delta 34 =
 \end{aligned}$$

$$\begin{aligned}
 & -0.6 \times 4 + - - 2.4 = 4.38.41
 \end{aligned}$$

$$\begin{aligned}
 & +0.0 \times 34 + 0 + 102.0
 \end{aligned}$$

$$\begin{aligned}
 & 01 - 5.1 \times 11 = +96.9
 \end{aligned}$$

$$\begin{aligned}
 & 198.9 \\
 & 156.5
 \end{aligned}$$

$$\begin{aligned}
 & 016.3
 \end{aligned}$$

$$\begin{aligned}
 & 4.23 = 0.3
 \end{aligned}$$

4.4

△80

Station 1 at 3.56

$$8.01250 \quad 3.3 \times 2.4 = 7.92 = (H) 3.116$$

$$\begin{array}{r} 8.01350 \\ 4.44 \\ \hline \end{array}$$

$$\begin{array}{r} 8.0619 \\ 0.04 \\ \hline \end{array}$$

$$\begin{array}{r} 8.0512 \\ 48.24 \\ \hline \end{array}$$

$$\begin{array}{r} 4.1748 \\ \hline \end{array}$$

$$64.24 \text{ stat}$$

$$8 - 1.4 \times 4 = -$$

$$8 + 3 = 11$$

$$8 - 6.2 \times 4 = -$$

$$9.8$$

$$45.4$$

$$3.2$$

$$\begin{array}{r} 5.018 \\ 3.55 \\ \hline \end{array}$$

$$\begin{array}{r} 4.49 \\ 2.1 \\ \hline \end{array}$$

$$3.4324$$

Strong, S. D. ...

$$\begin{array}{r} 12.0325 \\ 4.45 \\ \hline \end{array}$$

$$\begin{array}{r} 12.0325 \\ 4.45 \\ \hline \end{array}$$

$$\begin{array}{r} 12.0810 \\ 0.05 \\ \hline \end{array}$$

$$\begin{array}{r} 12.0815 \\ 45.44 \\ \hline \end{array}$$

$$\begin{array}{r} 42.331 \\ \hline \end{array}$$

$$65.37.45-W$$

$$34.5 = 8.2$$

$$8 - 1.0 \times 10 = -$$

$$8 + 3.2 \times 12 = +$$

$$8 - 2.5 \times 1 = -$$

$$\begin{array}{r} 10.30 \\ 5.8 \\ \hline \end{array}$$

$$55.38$$

$$\begin{array}{r} 4.56 \\ 2.4 \\ \hline \end{array}$$

$$4.12$$

$$1.4$$

$$1.2$$

$$1.0$$

$$1.0$$

△50

497

Sept 2 at 3:47 PM

5.03.49 $\frac{1}{2}$ - 35.19 = 26.805 - 21.06

8.03.32 $\frac{1}{2}$ - 1.4819 + 2 = 26.6 3.46.25

8.18.17 $\frac{1}{2}$ + 3.485 + 2 = 17.0 3.48.27

7.20.28 $\frac{1}{2}$ - 4.31 x 67 = 29.8

3.46.27 $\frac{1}{2}$ 46 - 68.4

4.23.01 $\frac{1}{2}$ 46 - 41.4

5.45.45 $\frac{1}{2}$ 46 - 41.4

Strong SE Wind Clear Weather

Sept 2 at 8:15 AM

12.41.00 $\frac{1}{2}$ - 39.530 $\frac{1}{2}$ + 7.2874 = 31.06

72.45.34 $\frac{1}{2}$ - 1.4830 + 2 = 5.170 3.41.20

12.46.17 $\frac{1}{2}$ + 1.6128 + 2 = 10.078

8.18.15 $\frac{1}{2}$ - 5.55 x 67 = 33.0 3.41.48

4.28.02 $\frac{1}{2}$ 50 76.9 8.18.15

5.45.45 $\frac{1}{2}$ 50 76.9

Sept 4

St 39.45 DB = 7.21 = 31.06

$$\begin{array}{r}
 1.8 \times 15 = 27.0 \\
 3.4 \times 25 = 85.0 \\
 1.5 \times 10 = 15.0 \\
 \hline
 127.0 \\
 127.0 \\
 127.0 \\
 \hline
 381.0
 \end{array}$$

September 4 - at 4.03 PM
 St 21.46 - St 39.40 DB = 7.21 = 11.24.45

$$\begin{array}{r}
 3.21.30 \\
 4.49 \\
 \hline
 3.26.19 \\
 0.50 \\
 \hline
 3.27.09 \\
 3.59.11 \\
 \hline
 7.26.20
 \end{array}$$

56.59-30.11
 from the Division Transportation
 West

8/1009

Section 5 at 3:44 P.M.

8.00.18

39.30 at 6:00 to 32.21

8.00.00
4.30
8.04.00
4.30
8.05.57
3.33.11
4.32.48
68.11.21

8-1.8X30+-= 54.0
D+3.6X1-=- 3.6
A-5.6X2+2- 11.6
173.1
68.70

3.36.64
-2.53
3.33.11

Δ 64

Very light wind from East
Sea Shimmer Round West

Section 6 at 4:27 A.M.

11.00.00

39.46 at 6:44 to 20.04

11.01.45
4.52
11.06.37
1.23
11.08.00
1.22.13
2.35.47
68.05.47

8-0.8X15-=-+ 12.0
D+3.4X16-=- 54.4
A-5.3X4+2- 21.2
68.41.41
8.11
68.52.00

4.28.60
-1.03
4.34.47
12.00.00
1.22.13

88-1.29

= $\Delta 15$

September 6 at 3:19 P.M.

$40^{\circ} 04' = 26^{\circ} 31' - 30^{\circ} 32'$

$2.12.00$
 4.52

$3.16.52$
 1.29

$3.18.21$

$3.40.37$

$4.37.44$

$59^{\circ} 26' N$

$3-1.9 \times 7+ = - 13, 3$

$3+3.7 \times 37+ = + 135, 9$

$54-5.5 \times 02+ = - 159, 21$

193.5
 $3-52.5$

$3.41.32$

$- 5.5$

$3.40.37$

15
 10
 2.5

fresh N Wind Clear Weather

$\Delta 90$

September 7 at 7:30 P.M.

$12.05-40^{\circ} 32' = 26^{\circ} 32' - 30^{\circ} 32'$

$12.05-40^{\circ} 32'$
 $- 16$

$12.05-2.0$

$4.45.4$

$12.10.19$

$- 1.43$

$12.12.02$

$7.28.02$

$4.44.00$

$171^{\circ} 00'$

$12.05-40^{\circ} 32'$

$- 16$

$12.05-2.0$

$4.45.4$

$12.10.19$

$- 1.43$

$12.12.02$

$7.28.02$

$4.44.00$

$171^{\circ} 00'$

$40^{\circ} 32' = 26^{\circ} 32' - 30^{\circ} 32'$

$3-1.0 \times 22+ = - 22, 0$

$3+3.4 \times 22+ = + 74, 8$

$54-5.3 \times 11- = + 58, 3$

50
 11
 41.0

193.1
 11.1
 5.1
 $105-16.1$

$1.40-5.3$

$- 28.0$

$+ 74.8$

$+ 58.3$

123.1

$12.05-40^{\circ} 32'$

$- 16$

$12.05-2.0$

$12.05-40^{\circ} 32'$

$4.45.4$

$+ 1.57$

$4.31.68$

$12.05-40^{\circ} 32'$

$4.28.02$

$12.12.02$

$7.28.02$

$4.43.45$

When in York Harbor

$\Delta 95-1/2$ Long $70^{\circ} 55'$

Lat 40° 22' N Long 71° 00' W - 9 AM..

$$\begin{array}{r} 40.22 \\ \underline{3} \\ 40.25 \end{array}$$

$$\begin{array}{r} 71.00 \\ \underline{5} \\ 71.05 \end{array}$$

$$\begin{array}{r} 45.00 \\ \underline{5} \\ 45.05 \end{array}$$

$$\begin{array}{r} 10.00 \\ \underline{5} \\ 10.05 \end{array}$$

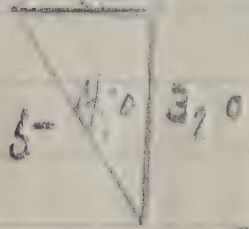
$$\begin{array}{r} 66.00 \\ \underline{2} \\ 66.02 \end{array}$$

$$\begin{array}{r} 5.00 \\ \underline{5} \\ 5.05 \end{array}$$

$$\begin{array}{r} 40.22 \\ \underline{40.21} \\ 0.01 \end{array}$$

$$\begin{array}{r} 80.47 \\ \underline{40.23} \\ 40.24 \end{array}$$

$$\begin{array}{r} 71.05 \\ \underline{70.55} \\ 0.50 \\ \underline{10} \\ 71.00 \end{array}$$

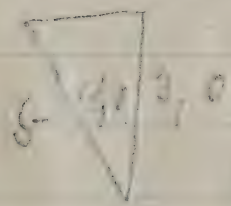


St. Pierre - 11⁰⁰ 2 Gunter 10.00

Δ 90

Ch. 8 miles to
Steamer at 9 AM.

Alt 1100' 82 Gunter =
5-3' 11"



$$\begin{array}{r} 00.12 \\ \underline{8} \\ 15.12 \end{array}$$

$$\begin{array}{r} 40.25 \\ \underline{0.3} \\ 40.28 \end{array}$$

$$\begin{array}{r} 40.28 \\ \underline{80.53} \\ 80.53 \end{array}$$

$$\begin{array}{r} 80.53 \\ \underline{40.24} \\ 40.29 \end{array}$$

$$\begin{array}{r} 71.00 \\ \underline{5} \\ 71.05 \end{array}$$

$$\begin{array}{r} 40.35 \\ \underline{40} \\ 40.35 \end{array}$$

$$\begin{array}{r} 40.35 \\ \underline{20.45} \\ 20.45 \end{array}$$

$$\begin{array}{r} 28.04.30 \\ \underline{11.00.00} \\ 39.04.30 \end{array}$$

$$\begin{array}{r} 45 \\ \underline{23} \\ 14 \end{array}$$

St. M. to (Chick) and
Chick NW

$$\Delta 3.44 \div 14 = 23\frac{1}{2}$$

7

Sep-4

at 3.44

3.

70

$$8.15.10$$

$$\begin{array}{r} 8.14.6.5 \\ 4.5.4 \end{array}$$

$$\begin{array}{r} 8.19.49 \\ 1.50 \end{array}$$

$$\begin{array}{r} 8.21.39 \\ 3.35.44 \end{array}$$

$$4.45.5.5$$

$$71.38.45$$

$$71.18$$

$$L-2, 1 \times 10 = + \quad 3.5$$

$$D+4, 0 \times 14 = + \quad 5.0$$

$$O-5, 4 \times 3 = + \quad 1.7$$

$$\begin{array}{r} 60.15 \\ 11.13 \end{array}$$

$$71.28$$

$$\begin{array}{r} 104.5 \\ 44.50 \\ 1 \end{array}$$

$$\begin{array}{r} 3.34.00 \\ + 1.44 \\ \hline 3.35.44 \end{array}$$

Sep-4 at 3.44

70

$$8.17.5.5$$

Sep 40.43

at 3.44

3.44

$$\begin{array}{r} 8.14.35 \\ 4.5.4 \end{array}$$

$$\begin{array}{r} 8.23.29 \\ 1.50 \end{array}$$

$$\begin{array}{r} 8.24.19 \\ 3.35.31 \end{array}$$

$$4.45.48$$

$$71.24$$

$$L-2, 0 \times 10 = + \quad 30.0$$

$$D+3, 9 \times 14 = + \quad 5.4, 6$$

$$O-5, 1 \times 57 = - \quad 153.9$$

$$\begin{array}{r} 60.15 \\ 11.12 \end{array}$$

$$71.27$$

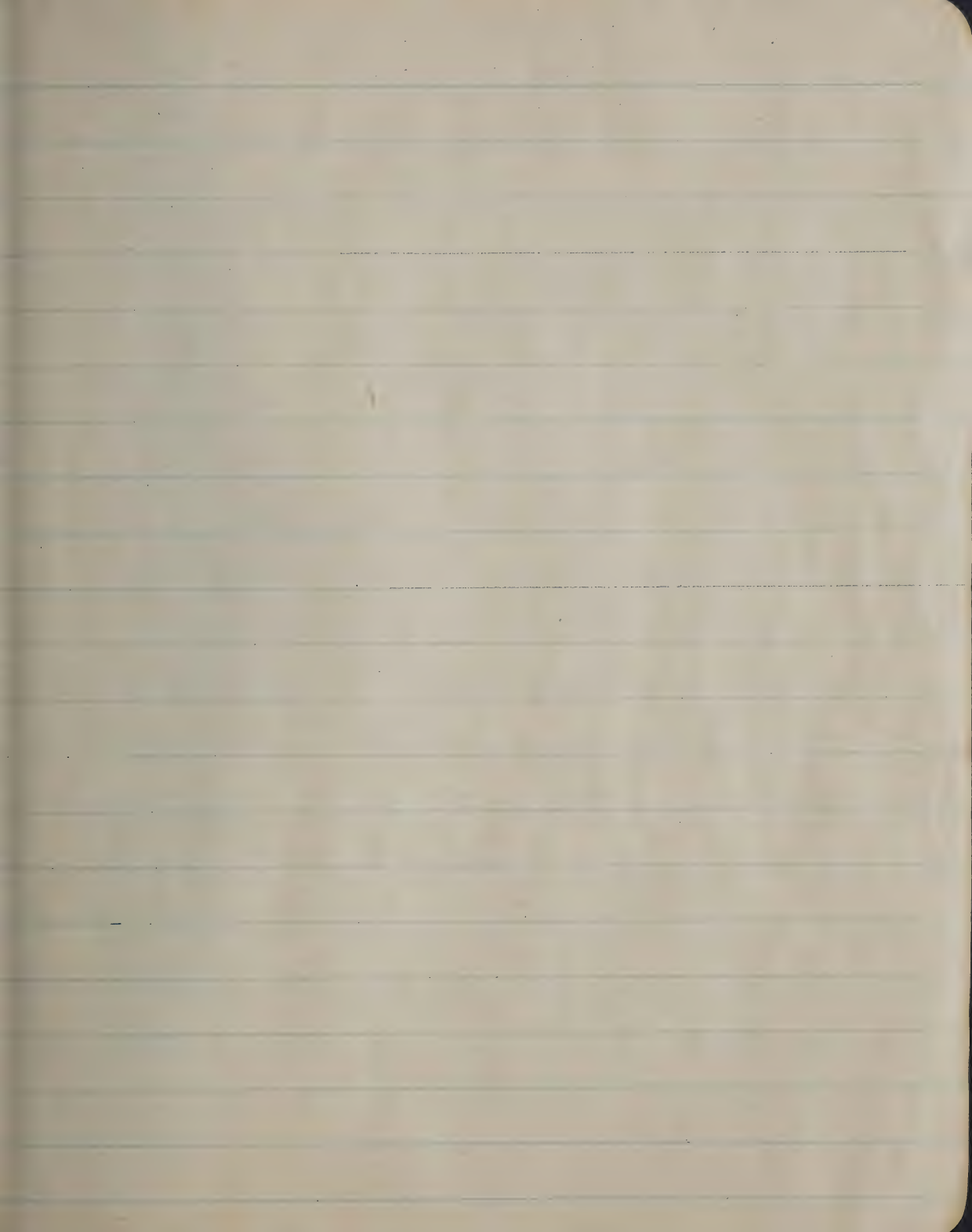
$$\begin{array}{r} 84.5 \\ 69.3 \\ 09.60 \\ 1 \end{array}$$

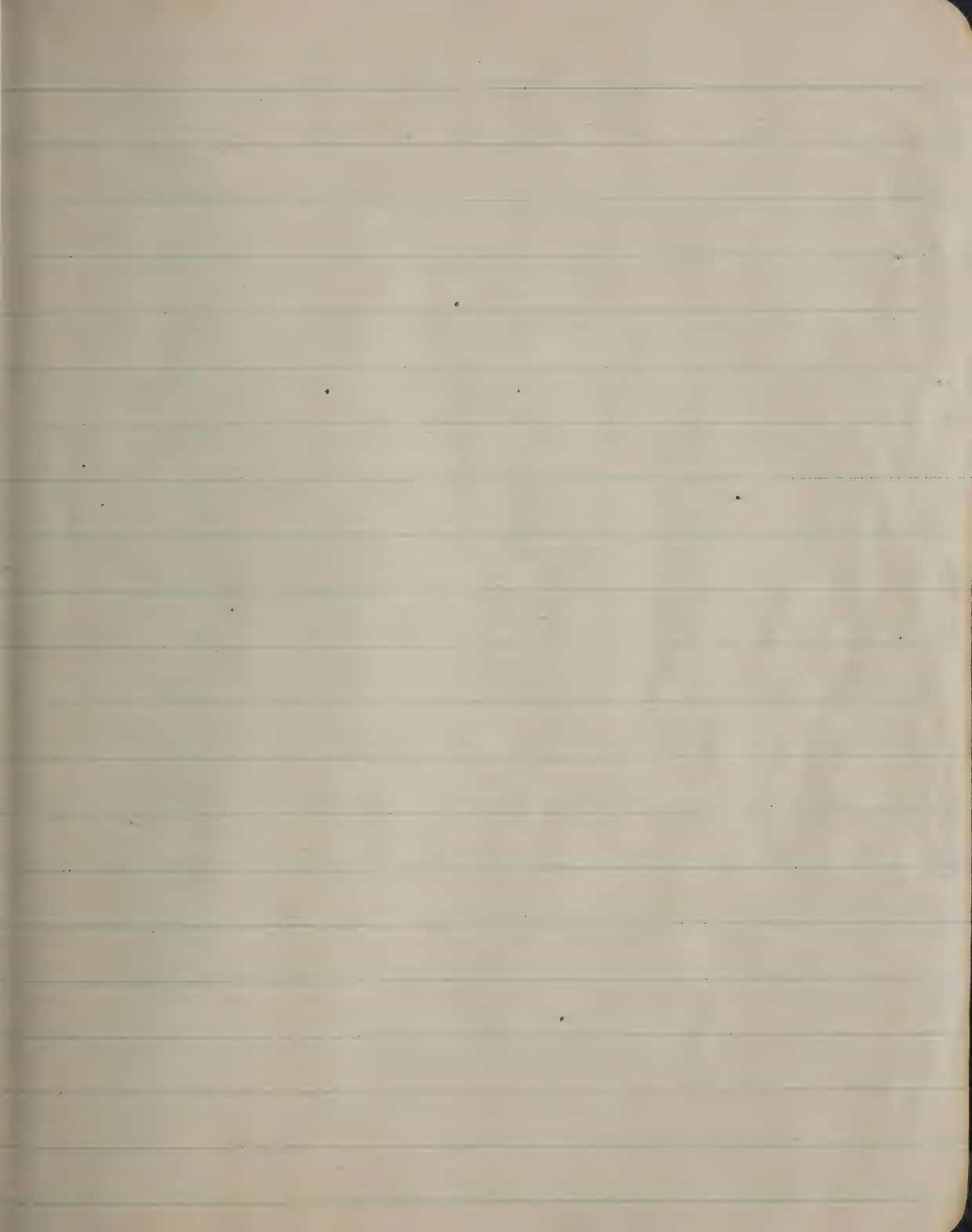
$$\begin{array}{r} 3.39.40 \\ - 1.00 \\ \hline 3.38.40 \end{array}$$

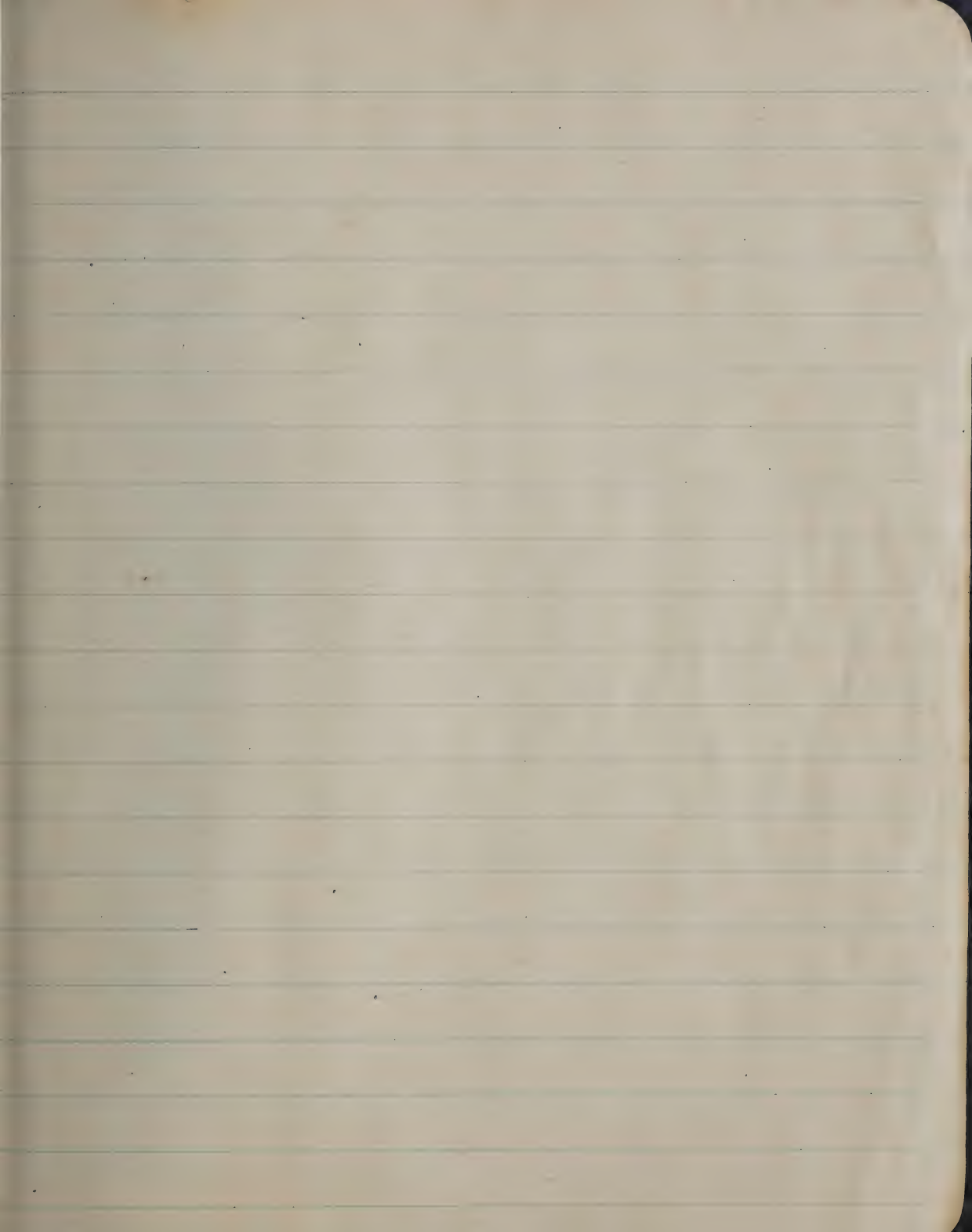
$$71.24$$

$$71.14$$

60/3







Whale List on Western Ground
 Summer of 1919 Sea "Clordia"

1st Mate	2nd Mate	3rd Mate
195-	1-18-	1 50 lbs
		1 50 "
		1 60 "
		1 12 "
		<hr/> 178
		48-
		18-
		<hr/> 238 <u>Carrots</u>

70.00 MW # 54 #

17.00 MW

21660

* 5-3.00

* 0363 *

20
8
28

262 8.5-6.07
4.00

* 8.5-2.07
3.36

8, 5-5, 43

Feb. 18th

Svg = Noon

40

$\begin{array}{r} 24 \\ 120 \\ 480 \end{array}$

5-3
1.9

180
800

3 = P.M.

56

34

440

9:30 = P.M.

100

$\begin{array}{r} 120 \\ 360 \end{array}$

60
310

39

$\begin{array}{r} 19 \\ 20 \end{array}$

$\begin{array}{r} 62.28 \\ 60.22 \end{array}$

Sly W 1/2 W 16 miles to Mari Galang

2.06

37 " " Lomincia

$\begin{array}{r} 100 \\ 87 \\ 13 \\ 19 \end{array}$

60/3

9 = P.M.

A Bass Terre

45 miles to Mont Curat

32

Whales seen

12,400.00

35-

62000000

37200000

320 4.340,000,000

39.00

89.48

48.14

2.44 47.30

1.40 47.35-

288 0.00

960

11.34

20.39

3.20 48.30

12.48 0.00

024

048

0080

0000

124800 15-

0348

048

0030

34960

32.13

124800

80000

0448.00

12400.00

4.340.00

8.050.00

0060

120

0080

00

503.75-



